SEQUENCE LISTING

<110> Robert A. Sikes et al.

<120> Isolation and Use of Fetal Urogenital
    Sinus Expressed Sequences

<130> 9901-007-999

<140> 09/482,933
<141> 2000-01-14

<150> PCT/US99/10746
<151> 1999-05/14

<150> 60/085,383
<151> 1998-05-14

<160> 811

<170> FastSEQ for Windows Version 3.0

<210> 1
<211> 601
<212> DNA
<213> Murine

<220>
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<222> (1)...(601)
<223> n = A,T,C or G

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ggaggaggcg ctcagtttct tctccccgta ccaagacaac ttcgaggaga ggacggtctc     120
cttcacmcaa acctcgtnng actccaaaga tccvgatccc gctcacggag agagaaamcc     180
agaacaancc cgacgcagag atagatctgg atcatctcag tcaacatctc gaagaagaca     240
gaggagccgg tctagatcac gagttactcg gagacrgagg ggtggctctk gttaccattc     300
aagatcacct accagacagg agagttctcg aacctcctct agacgcagaa gaggccgctn     360
cccsgacacc cttgaccagt cggaagcgat ctcgatcaag aacatcacca gctccttgga     420
mgcgctctag atctsgagcc tcaccagcta ctcatsnggc ggtccaggtc magaacacca     480
ctgataagcc gacgtaggtc cagatctcgg acctcacctg tgagtaggag acggtcaagg     540
tcagtgaata ggcgtagatc tcgatcaaga gcatcccag tgagtcgaag gcgatccagg     600
t                                                                      601
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<210> 2
<211> 243
<212> DNA
<213> Murine

<400> 2
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gaattcgtta tattttaaaa ctgctacttg tataaatctt tcccaaatac cgtgggtttt      60
gtgcatagtt tttacagata tggatttagc agactgtctt ttcactgtta tgggtttttt     120
agaagttgag cattttatg gctgataaag tgaatgttac ttctaagtgc tcacttcttt     180
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1

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tatcagaagt gaccctcagt ccattgtgct acsttagctt gcctctttgg taataatkcg    240
kag                                                                  243


        <210> 3
        <211> 209
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(209)
        <223> n = A,T,C or G

        <400> 3
gaattcatcg cacaaaaacc ctggtatgaa gtcactttcc aatggaattc caaagcctaa     60
ggatgaacta tcctgcctga taaaaaccaa cagctggcct gatcgctcag aacacctgtg    120
acatgtcctc cctagamggg acagagtgat agttcatgtt tgnnkgtgtg tggactawyt    180
kgktactacc tttagagcaa ctgatktat                                      209


        <210> 4
        <211> 357
        <212> DNA
        <213> Murine    .

        <220>
        <221> misc_feature
        <222> (1)...(357)
        <223> n = A,T,C or G

        <400> 4
gaattcgggg tgtcctactg actgatattc atttgatttt attcatttgg attcatacct     60
cactgtcata gccgcaaawt ttatttaacc catgnccttb ccmgatgcya ggtgagatct    120
acytrgtgaa cttaawwaam gcagactggg acctaggaaa attcaccatt ttcattgtaa    180
tgttctcggt tttgccttta tccatagaaa agtgggctct tgggaatgat gaggacactg    240
aggggtggag gatacmaacs gaaaagctca tggagataga gtkcaagcag agagtgtggg    300
tgctyaaata ctcaagagat ttaattaagt ctcgctctca awtgctataa gtttaaa       357


        <210> 5
        <211> 331
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(331)
        <223> n = A,T,C or G

        <400> 5
gaattcggcc aaggccttgc cagctgctga aactgagaag gaagcggtgc cggtcccagt     60
gcaggaggta gagatcgatg ctgctgcaga cttgagtggg cctcaggaag tagagaagga    120
ggagncccca ggctcccagg accccgagca cacagtgacc cantggcctg gnagaaggcg    180
gaagctccag gracmgttag cagtkctgcy kdarggscnn yaaggamcct ncyygtkcyc    240
cccanggatt cagngagnca gttccagara aaatyctgta cagtktacac acggtgtsca    300
tatcgtggag aractcacat ctctgtgcgc g                                   331


                                  2
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        <210> 6
        <211> 331
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(331)
        <223> n = A,T,C or G

        <400> 6
gaattwgcaa agaaaccttc tttaaaatgg actcagaaga tgggtgtagg ggcgttgcca      60
atgtggctga gttctgtgtt tggaaatgtg ttgctgatgc acatgatgaa agaagagccc     120
agatgaccct aactcttcag gaaawdcaac catctatatc agtcttatct ctgctctcaa     180
aatgctctca gagagtaaam mmaaatggcc cttnggtata cnyctctccg ttttgttttt     240
ttaaagrwtg cctagkaatt tttnaaaaag kgcaaaagrt gtktyytgag atttyctttt     300
yaattytggg tgtcagtgtg tgdgtgtttg t                                   331


        <210> 7
        <211> 427
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(427)
        <223> n = A,T,C or G

        <400> 7
gaattccttg caggchgcct gvggkvcnac cnttctgaga gccagaaaac tgctctcagn      60
tacattcctg gcagctcctg accctgagcc tctattcaca ttccttcaca aaacggccca     120
ggctcaaatt gaaaaggaaa taaaagagac cacaataaaa ttgctaacat acggagtaac     180
agagtgatct gtgacacaat tctgctccat gttttccttt cccttcaagg acagctgggc     240
agccactgag gcctgtggac aaggatccat gatcatttcc aatgttcaga gagtccagca     300
accaccaggc aagggctgtt ggcacytagg aatgggtctg cttgcatgtc aagggaccaa     360
tgtggtccta caaaactcat ttctactgaa atgtcatctt ctgaachttg ggaaataatg     420
cmctaga                                                              427


        <210> 8
        <211> 520
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(520)
        <223> n = A,T,C or G

        <400> 8
gaattccggc cgtgctccgt ccttcgctcc ktgtyccgtc asrcactgtg agggstcagc      60
gwgaggtcgg tggggttagg naacgcggcg gcggcggcgg cggcggcggc ggctcctcct     120
ccnaagatct gagcagggtg ccagaacagg natgtacacg ctgctttcgg gattgtacaa     180
gtacatgttc cagaaggatg aatactgcat cctgatcctg ggcctggaca atgctgggaa     240
gacggtaggt ccctgctctc tcaccagttc ccattccctg cctgatctaa ncccccgccc     300
caaggctaca ggttagtagt caccagcctc ctgaagatca agccacaggs agaggcgtgc     360
```

3

```
atggctgcat ngggtgtgaa gggataggtg ggaaggacac cagaaaacta ctctagctgc      420
tgctatctna mcccctctc tttttttcct cagactttcc tggaacagtc aaaaacacgc      480
tttaacaaga actacaagga attccaccac actggcggcc                           520


          <210> 9
          <211> 465
          <212> DNA
          <213> Murine

          <220>
          <221> misc_feature
          <222> (1)...(465)
          <223> n = A,T,C or G

          <400> 9
gaattctgtt aatgcacctc tgcctccacg gaaagaacaa gaaatgaaag aacctcctta      60
ttcatctggc tacaatcaaa attttacttc atcaagtaca cagacagtat cccaatgcca     120
gctcccagct gtacacatag accagacaac tcagcctcca gagactggta tgacctctgc     180
atatattctt tataagtacc acatgccaac ttkgtgcttt actggagtac cctctatags     240
ccytctgaaa acttagacag kagcctttca agkaaacart ctgtagtgcc cytacarctg     300
traatactta tctctttaat gtnttgtctg gkagaaagac attttgatgt attttcctcc     360
atttagttaa gtttacctct agtggagaat tagttaaacc actttggctc ctgaagggtc     420
tcatgtgcat atgcgctgta ctctyccaag agcdntgtgg attct                     465


          <210> 10
          <211> 541
          <212> DNA
          <213> Murine

          <400> 10
gaattccttc ctgtaaggct acttttcttt tttctacttc cttttccagc aattcatagt      60
taggcttttt cctggtataa agtctaagcg tctctatgca gatttcctga atctcctctt     120
ctgtggtacc aaacagaaga aaccaatggg gccgagttgg caagggaatt tgaagtgctc     180
tagctgcaag gtagatacaa gcacatgcta tagtctctgg ttgaaagcga acaaagacat     240
tggttcgaag actgtcattc atgtaattcc aggcagtttg aaccagggtt tggttacgtt     300
cacattctaa gacttgtaaa tacattacaa tgatcttatg gggatgcttg acatgaacac     360
aaaatcccaa ctcctttagc accctcctct ctgccttgat aacttgattt ttggtgttaa     420
tgtagttctg atcaaggatc aggggggcttg gagtccyttt tccycttaac tggcggaggt     480
ggtggaatac attaatcaca tctctwattc ttyttggcgc ttcttcgatt tttgacscaa     540
g                                                                     541


          <210> 11
          <211> 330
          <212> DNA
          <213> Murine

          <400> 11
gaattcgctg cgtcgggcgt gcgtggagct cgctggaact atggcgtccg ggcctcaccc      60
gacctcgacc gctgccgccg ccgccgccgc tgccgcctcc gcctcgtccg ccgccccgag     120
cgcgggcggc tccagctccg gcacgaccac cacgacgacg accacgaccg gagggatcct     180
gatcggcgac cgcctgtatt cggaggtgtc gctcaccatc gaccactcgc tgatcccgga     240
ggagcggctc tcgcctaccc cgtccatgca ggacggcctg gacctgccca gcgagacgga     300
tctkcgcatc ttgggstgcg agctchatcc                                      330


          <210> 12
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4

<211> 330
<212> DNA
<213> Murine

<400> 12
gaattcgctg cgtcgggcgt gcgtggagct cgctggaact atggcgtccg ggcctcaccc   60
gacctcgacc gctgccgccg ccgccgccgc tgccgcctcc gcctcgtccg ccgccccgag   120
cgcgggcggc tccagctccg gcacgaccac cacgacgacg accacgaccg gagggatcct   180
gatcggcgac cgcctgtatt cggaggtgtc gctcaccatc gaccactcgc tgatcccgga   240
ggagcggctc tcgcctaccc cgtccatgca ggacggcctg gacctgccca gcgagacgga   300
tctkcgcatc ttgggstgcg agctchatcc   330

<210> 13
<211> 530
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(530)
<223> n = A,T,C or G

<400> 13
gaattcgggg ggtcttcctg ctcttgaagc actgggtgga acggggtccc agtagccgca   60
ctcagcctta gggtctgcat cccattaggt ttctagggct gcaggggctg caggaccang   120
ggccatgngc tccntncact tgaccctgca gctgggtgtm aganagtcct gtknggttcn   180
cacctymagg ggatgtycct accmacnttn cacctkctca agnctycact gtctggggcc   240
tgtgngctct cncaacagct tcttccttcc tttgcccttc gtgtcagcca gcagccttgc   300
caagtgtttg ttwatttwat actttgtgnt ttttgagaca gtcacatcaa ggttgaactt   360
agaacccaag atccnyactg ctatcacccc ctgaatactg gggnttccna gngtgtnnnn   420
cctgggntcc manncctcag gacnacnnnn cttasvnnag gatanccgta tcacgtnctt   480
gggsnccatc cctttttcc ccactacana gdaagnnnnn ncccgawytc   530

<210> 14
<211> 537
<212> DNA
<213> Murine

<400> 14
gaattccttg ctgtgacaca ttttttctag taagtgttac tctttcaatc aaaacccta   60
taccaatgga gcttaattta ggtagtgaat tagttcctaa atagatcagt gattgtgaac   120
aaggcaataa aaagaaaacc tctaatggta tcaagtgttc ccataagtac tttgtataca   180
tgtggatgtg tgttggtgtg catgcacata tgtgtgcatg tgtgtggatt gcgaaggaca   240
gcctttggtg tcattcctca ggtggtgtcc accttgtttt gaagagatag gagtgtcaca   300
ctgaacctgc agcttgctga ttcagagtac cagggacatg cctggcttga cctctccaac   360
actgggatca caaggaactt tcgtcagcag gtcttgchtr kwtgaaatag ttgagaggga   420
ctgcactccg atcttcacac ttgcacataa tgcatattgc caaatggccc atctccttga   480
ctccactgaa taaaattttt gactaatttc tcaaaataat tacagcagcc tgaattc   537

<210> 15
<211> 302
<212> DNA
<213> Murine

<400> 15

5

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ggaattcccct gcctctgtaa ctccttbacc caattcttag cccgtgcaaa tgtatctgtg          60
ttggtgatgt catagaccac aatggctgct tgggcccccg atagtacatc ggggccaggc         120
tgtgatagck ctcttggcca gctgtgtycc agatctcaaa cttgaccgtt gtatcgtcta         180
agcagacagt ctgtgtgagg aaakttgctc caattgtgct ctyctggtac tcatggaact         240
kcccccttkac maagcggagg dccaggctgg actttbccac ggcagtytck tccaagaggd         300
cc                                                                        302
```

        <210> 16
        <211> 312
        <212> DNA
        <213> Murine

        <400> 16
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gaattcgtgg aagccccggc ccaaagtaac gctgctgccc ggagccgcgt tggaggcctc          60
ccttcccatt aagtygcctc tttagcatag caccggcccc accccccacgs tcactggtac         120
tactacagag cagckcgcca tggcgggtcc gaggaggtgc agcacgaacc caatggacca         180
gcttgctggc aacaagatct tgtcagttta agcttggkcc tcttygggcg agtctkccgt         240
trggcaagkb carcctggty ctcccgcttt gtcaaggggc agttycatga gtaccaggag         300
agcacaattg ga                                                             312
```

        <210> 17
        <211> 310
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(310)
        <223> n = A,T,C or G

        <400> 17
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ggaattcgcc gctttttttt ttttaattca aaacatttga cttttttaaag gaaaggatgt          60
cacagtgtct ttataaccga gataatgaaa tcttagctta attttgtgca agaattaagg         120
tacttgaatt gattaaggca cagatgtgtt tggtctaaaa ggctgtattt tgtctgctttt        180
ttcacaaatc tatggaaatt gatttcccca tcttgcagtg tgcttagckc ccacgntccc         240
caagttctag aattctggaa agadccttca tgtatggaat gtcttctgtk cagaggaggt         300
nctcagcata                                                                310
```

        <210> 18
        <211> 392
        <212> DNA
        <213> Murine

        <400> 18
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ggaattcctg acatctgatc aggagtaaac agcacacaaa gggagtgttt taaaggtttty          60
ctgcagtgtg aaacaaactg tgtctaagta caagggctct ggaattacaa agtttacaaa         120
gcagctctac cacgtctcca aggccaaaat agatgcccgg aagagggaaa ggggcaagag         180
agctgtccga agcagtacac cagcttaagt gacatgaaat aacttggaca aggttcaaac         240
tgagagactg cagttgagat gaagtgggaa aaaatattgg aattcagtcc aatagagttc         300
acagaacacc accttaaycc tgcatccctt bccaaaatgg aaacaaagtt gtwtcaaaaw         360
mtccagttca tccaaggaat ccaaacatsc tt                                       392
```

        <210> 19
        <211> 148
        <212> DNA
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                                    6
```

<213> Murine

<400> 19
ggaattcaaa tagtggttgt yctttagatg gaagatgtga gtcaaagcca aggtcgctct   60
ctctggaagt cagtgagtag cagggaccag agcgtattgc tgcagtatag actgaacgga   120
aggaaaacca ctgcycaggg kgccgkkg   148

<210> 20
<211> 382
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(382)
<223> n = A,T,C or G

<400> 20
ggaattctcc gaccgtgcgg acttaagatg gaggcacttc ctgtctkcgg cgggaagaga   60
aggctcggtc ggagccggga atgctgggac ttgtacgtcc gccggtcacg gccgcygccc   120
ccagcgacgt cacccacacb ngcagaagcg gacgccgcgg tcaagatgtc tctgccatgc   180
ccacgggacg cacggacgca cggacggacg gacggactcc acaaggkagg aagcctgcbc   240
cggagcgcac cggbcgcacc caccacagca cacaggacac acgcgggccc bbscccgcc   300
caggcacacg cggbacacac ggcacacacb ggcmaggcag gccaggscac mcgcayckcc   360
aggacccbc ctgcgmcccg cc   382

<210> 21
<211> 166
<212> DNA
<213> Murine

<400> 21
ggaattcccc ggctcgagcg gcgctttttt tttttttttt ttccatttca actgcaattt   60
tattgagggg gacatgtctg tacgcagtca ggccctgttg gcgtgctcct tcctccgtga   120
gaabcgctyc gttctgkkcg gcctcdgcgg actmcgcgca ccttgt   166

<210> 22
<211> 206
<212> DNA
<213> Murine

<400> 22
ggaattcgct gaccgcatgc agaagccacc acacttttat acaggtttat acagcgtykk   60
caatcaaakc ctagacaggc acctacaccc aakcttcaaa gtatttttaa aatkkccaca   120
aaattcaatt cttwggaatt tctcttagac actgttcaat ttaaattttt tkcaatkggg   180
acagaacctg gggctttgtg tttgtt   206

<210> 23
<211> 305
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(305)

7

<400> 23

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gaattcctgg  tgtacactcg  aawttkbttg  rgvmmaaagg  agaggactcc  aacaaaaggt      60
tctaaatgct  gtttgaaakc  tgccagggtg  attctcttat  caacatgcac  catcaaccat     120
ttgtgtcctt  yyycagagcc  ttcatcckcw  gbtgtagggg  tcnkctttga  agtacatgta     180
ctgcatgtyc  cccctttttt  tkbcactctc  ggtcatattc  actgtcagtc  ccagagtctt     240
cttywgctgt  gtyccaggkc  tccyttttc   cctcggttgc  tttagktctt  ctactacytg     300
tgact                                                                      305
```

<210> 24
<211> 288
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 24

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gaattcgttg  gwktnmtctc  ctctcacttc  aaggtttttaa atgctgtttg  aaagctgcca      60
gggtgattct  cttatcaaca  tkcwccatca  accatttgtk  ttctttycca  gakccttcat     120
ycgcwgtgta  ggkgtcagct  ttgaagtaca  tgtactgcat  gtcccccctt  ctcttkcyac     180
tctyygttca  cattcwgact  tctgwtccag  atwwctttcw  gtcygagggw  cttytctktc     240
tcagatgtga  atwwatgdty  sgagtacaag  gttckggtag  acaggtga                   288
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<210> 25
<211> 249
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(249)
<223> n = A,T,C or G

<400> 25

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ccagctcagg  aagagcctct  ccacacgggt  caaagggcat  ctttgatcag  aagccttctc      60
aggtkctctt  gtyctgctct  ggdgtycctc  agctgtctgc  agcwcccacc  agacactgtc     120
cattgctgtc  tgccatgctt  gtctttatgt  cgtgtgtttc  tcgtccctra  vttcaaccta     180
tkcncccttt  cctaacaaca  tgactacctc  atktytnctt  cagaccatag  tgkgacccct     240
rggttccca                                                                  249
```

<210> 26
<211> 288
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(288)
<223> n = A,T,C or G

<400> 26

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gaattcgtta tattttaaaa nctgctactt gtataaattc tttcccaaat accgkgggtt        60
ttgtgcatag tttttacaga tatggattta gcagactgtc ttttcactgt tatggggttt       120
tttagaagtt gagacatttt tatggctgaw waargtgaat gktacyttct taargtgctc       180
aacttctttt atcaggaagk gaacccycag ktccattgtg gcyaacgtta ggcttggcct       240
ctttggtaat aawtgcgtag btctygkatt gaacngctag gattaggc                    288


        <210> 27
        <211> 355
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(355)
        <223> n = A,T,C or G


        <400> 27
gatttcgaga ggtggtccct cggatggctc tccctgctca catccggaag ttcaaatatt        60
gatgcttcch ccccccccc ccacnnbtcc agactttcat tttctctccg gtttggacac        120
aagagagaga gagagagaga gagagagaga gagagcgcta cagaagttgt ttacaaacca       180
gagaactgtt cattaagtga aaacgttagg sagcacatgt tccgcagaag ataacaaaat       240
agatggsgka aatagtgtag tcggtgtcga agcaatatta awctdtkcct attcccvgct       300
aaataaagtk aagccaccga ttttttgttt ttgagatctc tatggrkgta tggag           355


        <210> 28
        <211> 391
        <212> DNA
        <213> Murine


        <400> 28
gaattccccc agaaaatata aggatgccat acactttata attctaacac cattgattaa        60
aaaaaaaaa aaaggaaaaa atgctgccat tttaatggca ttttctcatc aaaatcaacg       120
tgtgcttttc atatttcaaa ataaggcatt atatgctatt tcaaaaaaaa atttaagacc       180
aaaagtacat gcttactttt agaagcatgt acatttttta aaaaggatct attcagttag       240
caaatgagtg ttgtgaagag ctgctcacta aaagctaact gtagttaaaa ggttatatag       300
tggcattttc aagtgacagg aaattcaamt ttacttttc caaaggattc cacaagtgca       360
gtagtgcact agtgtacccy sctgaagtct g                                     391


        <210> 29
        <211> 276
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(276)
        <223> n = A,T,C or G


        <400> 29
ggaattctcc gaccgtkcgg acttaagatg gaggcwcttc ctgtctkcgg cgggaagaga        60
aggctcggtc ggagccggga atgctgggac ttgtacgtcc tytkgtcack kbykcnsccc       120
ccagcgacgt cwcccacack kckcagatty sgactyygck gtcaagatgt ctctgccatg       180
cccacgggac gcacggacgc acggacsgac ggacggwctc cacmarggta ggaagccttc       240
ttcgakctba mcttygstwc caacacagca cacagg                                276


                                9
```

<210> 30
<211> 330
<212> DNA
<213> Murine

<400> 30
ggaattccat gattgttgaa ctactgggtc aaaactcaaa tgaggtgaat ttgcctttaa   60
aggacttact tatgctaaga accaactaat agccgtgaga caatcacgtc atagctacca   120
gtacaagtag agcaaatatt tatccattta gctctgagct ctatattata taatggagcc   180
ttaaatctat gtggtttta tcaatggttt gtctttgaa tggttgtgga aactgtagat   240
aaccttaacc aaggactgta caaacgtgaa ggtgtggtct yacwcttcag gtttaaagtg   300
tttgadgcat tattagcawt cattcacaac   330

<210> 31
<211> 455
<212> DNA
<213> Murine

<400> 31
gaattcaaaa tatttctttt ctgtctcaaa agctattatg tcccattttg gggtgttttt   60
tagctctacc tcagaaaaac aaaagaagaa gaaataaaaa ataaaagtca agaacgaacc   120
ctgaatttct aaggcttcca tccaatactt cttaagctaa gttaagattg aaattctttc   180
tcaggctaat gctgtgtgaa gcaaacaaca ctcacattta gagcaagcat aatttcaaga   240
gatgccaaat ccaagttcaa aagcccacca gaggcagcgg ccatggccat gatgaataca   300
aagcatgaaa aggtgtgtct gtctccaggc ctctgtgaca ggaaaactgg ctggctgtyg   360
cagtcagtta aataagtctc acttcaagct ctkkbbcaga gccttctacc ctgctagact   420
gttgctaata taaacamgta gttctgtgtc gtgta   455

<210> 32
<211> 460
<212> DNA
<213> Murine

<400> 32
gaattccaaa aaattattta aaawaaaaaa aagttctttt gatctttccg tacagtattt   60
tagttgaaga ttagaattcc tttctctttg agaaagcaaa agttcctacc ttaacatctg   120
taaaaaggaa ataagaggcg cccaaggctg taggctctaa ggaaatkgcc gtagacttca   180
tcacagggca tctttgwtya tccagcaggg agttctgagt aggccaggct tctactaaag   240
ctgatttctg tgaccttta gatggggact gtcacctcat taaacatagt caccttttgkt   300
ttgaacagga aagttggtgt ttgtttgttt kttttttaaga cagagttgta ctgktatagg   360
cakkgbtttk ccctgagtta actatgtaga ccwggctagt gccaaactta tcaaaatcta   420
tctakctytt bcyctwgagw gttkggatta arggtgtggg   460

<210> 33
<211> 375
<212> DNA
<213> Murine

<400> 33
gaattcggag tgcttatgtt tgagatgatg gcgggaaggt ctccgtttga tatcgttggg   60
agctctgaca atcctgacca aaacacagag gattatctat tccaagtcat tttggaaaag   120
cagatccgca tcccgcgttc tctgtctgta aaagcagcaa gtgtactgaa gagttttctc   180
aacaaggacc caaaggaacg attgggttgt baccctcaaa ctggatttgc tgacattcaa   240
ggacatccat tcttcagaaa tgtggrctgg gacatgatgg gkbaaaagca ggtggttcch   300
cccttttaadc caaacatttc tkggrgaatt tkggtttgga taawttcgat tctcagttta   360

10

```
        <210> 34
        <211> 502
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(502)
        <223> n = A,T,C or G

        <400> 34
gaattccttg ggaatgaagg gcggaatgtg gctcagtgtt gagtggtcaa agtgtcccag        60
tgagggagaa gtctggagaa gggcagtggt gagacctgma amcctgaaag cagctgcact       120
gtacacttca tggccraagc atcaatcctg agtatgctgt cacatgttaa aacaactgta       180
cacattgaga caagcagaag tcacctgact ctctcagtgg gacagtgctt ctccwctcac       240
gccactgtac tgactgagga cggatcccac gttgggctgt ctgcctaaan tccanyttgg       300
rcmgcacacc ctgaggagca ggcaggcang gctctgaaag cagagcatga tccagtcaag       360
gctcaggsag cytcacahnn ctgaagraat catcagagtc acacttccct cgtgtgtaca       420
accaggaagg aggatgctgc atgaacgcac tgagaattca ttcagtgaga ctctgagaaa       480
agagcctgac acgtcgaatt cc                                                502


        <210> 35
        <211> 496
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(496)
        <223> n = A,T,C or G

        <400> 35
ggaattctct ttgcatagag gtgcagccct gggcggcccc gchdhkhhhc tcctccacgt        60
cctcggggac cctggtctct gctccctcct cactattgaa ctcagagcta ctgggggaaa       120
gaatgcaggt tggagaaaga ctccagggag tccaagctgg gcgagtcccc aggggggctc       180
ggctcgctgc tatcccaacc cgggctccsa gctgccctg aaggcgcttg tcacaggcgc        240
gggtacctgt gaaaagagac gcgtgggcac caccccacag caggttgcag acagtgatga       300
cgaccactct gagggagbnc tggtggagaa ccacgtggat gggaccatga acatgttggg       360
aggbbgtagc agtgctggch vgaagcccct caagtcaggc atgaaggagc tggctgtgtt       420
ccgggagaag gtcaatgaac agcaccsgca gatgggcaag ggtgccaaac acctcagtct       480
ggaggvgccc aagaag                                                       496


        <210> 36
        <211> 424
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(424)
        <223> n = A,T,C or G

        <400> 36
```

```
ggaattcttc cttcctttaa tcttaagtaa aagagacaca gggattcaaa aataaaaatt        60
tcttnnccat tcccaggcct gtacccagtg ccctccatac caccccttncc ctctctaaca       120
gaagcaaggg aggttcagct taacagccgc tggggggggg tcagangggg ggcttctgag        180
ctcagtgttg gtctctttcc aaatataaat acatgtgtca aaactkggga actcctccac        240
acccgtcacc ctgannccct ccatttctgc tggtgttcgg gatgggggaa gccaggcacc        300
gactggctgg gvgtttactg cacactttgg ggcatkgggc cccaccagtc tcctgcygct        360
cgttdgtagv aagagatggs acycvggggt yhhccccgga twggtkggga ggctccctgg        420
atgg                                                                     424
```

```
        <400> 37
ggaattctct ttgcatagag gtgcagccct gggcggcccc gchdhkhhhc tcctccacgt        60
cctcggggac cctggtctct gctccctcct cactattgaa ctcagagcta ctggggggaaa      120
gaatgcaggt tggagaaaga ctccagggag tccaagctgg gcgagtcccc aggggggctc        180
ggctcgctgc tatcccaacc cgggctccsa gctgcccctg aaggcgcttg tcacaggcgc        240
gggtacctgt gaaaagagac gcgtgggcac caccccacag caggttgcag acagtgatga        300
cgaccactct gagggagbnc tggtggagaa ccacgtggat gggaccatga acatgttggg        360
aggbbgtagc agtgctggch vgaagcccct caagtcaggc atgaaggagc tggctgtgtt        420
ccgggagaag gtcaatgaac agcaccsgca gatgggcaag ggtgccaaac acctcagtct        480
ggaggvgccc aagaag                                                        496
```

```
        <400> 38
ggaattcttc cttcctttaa tcttaagtaa aagagacaca gggattcaaa aataaaaatt        60
tcttnnccat tcccaggcct gtacccagtg ccctccatac caccccttncc ctctctaaca       120
gaagcaaggg aggttcagct taacagccgc tggggggggg tcagangggg ggcttctgag        180
ctcagtgttg gtctctttcc aaatataaat acatgtgtca aaactkggga actcctccac        240
acccgtcacc ctgannccct ccatttctgc tggtgttcgg gatgggggaa gccaggcacc        300
gactggctgg gvgtttactg cacactttgg ggcatkgggc cccaccagtc tcctgcygct        360
cgttdgtagv aagagatggs acycvggggt yhhccccgga twggtkggga ggctccctgg        420
atgg                                                                     424
```

<400> 39
caggaaatrg gacagtctcc aggckycaga ttggagggag crtaccatca cttgttgcat   60
ggagtccccct gtkcctccgt ggggctcagg tkgkaagctd gcccctawgb cwgagcattg   120
bcccattcct cyggggggtrg gasctcsawa tbybgctttm   160

       <210> 40
       <211> 533
       <212> DNA
       <213> Murine

       <220>
       <221> misc_feature
       <222> (1)...(533)
       <223> n = A,T,C or G

       <400> 40
gaattcggcc tgcacagact tctgggatgg cgctgacatc taccctctgt cgggttcaga   60
cagaaagaaa gtgctggact tctaccagcg agcctgccta tccggctatt gctctgcctt   120
tgcctacaag cccatgaact gcacgctgtc ctctcagctc aacggcaagt gcatcgagct   180
ggtgcaggtc cccggccaga acagcatatt caccatgtgc gagctgccca gcaccatccc   240
catcaagcca aacaaccgcc gcagcagctg ghgctccgat gaagggatcg gggaggtgct   300
ggagaaagaa gactgcatgc aggccctgag ckgtcagatc ttcatgggca tggtgtcctc   360
ccagtaccag gcccggctgg acatcgtgcb cctcatcgat gggctggtca amncctgcat   420
ccgctttgtg taccttctct ttggaggatg agctcaggag caaggtgttt gcaaaaaaaa   480
tgggcctgga raaaaggctg gaamtbccam atctcyctmh mbccaaccgg tga   533

       <210> 41
       <211> 512
       <212> DNA
       <213> Murine

       <400> 41
gaattcaaaa tcactaacaa ccataaaagt aaaaacccct tgagaattaa aatgaacgaa   60
aatctatttg cctcattcat tacccccaaca ataataggat tcccaatcgt tgtagccatc   120
attatatttc cttcaatcct attcccatcc tcaaaacgcc taatcaacaa ccgtctccat   180
tctttccaac actgactagt taaacttatt atcaaacaaa taatgctaat ccacacacca   240
aaaggacgaa catgaaccct aataattgtt tccctaatca tatttattgg atcaacaaat   300
ctcctaggcc ttttaccaca tacatttaca cctactaccc aactatccat aaatctaagt   360
atagccattc cactatgagc tggagccgta attacaggct tccgacacaa acttaaaaag   420
mtcacttgcc cactttcctt ycacaaggga ctccaatttc actcaattcc aataccttga   480
ttawtatttg aaacaattag cctawtttat tc   512

       <210> 42
       <211> 711
       <212> DNA
       <213> Murine

       <220>
       <221> misc_feature
       <222> (1)...(711)
       <223> n = A,T,C or G

       <400> 42
ggaattcgtg taagaagcaa gagagagaga gaaagagaga gagabayaya bnyanyanya   60
nymnymnyab mhwgmrdsag nnnnnnnncc tgnnmcagnc catncagggg nnttttttt   120

13

```
tttccnactt nagnancaag ntggnnctgn cttnctnncc aaactccnna ggnkgnnttt    180
atttnaaggn ctgnaagntc ggntgncctn cgnccnntg nnttcnaccc nnaggnncca      240
agnaagnacg ntcttnctnc tgntntnccn actctncnac antaagnncc ttnncatttn    300
nagncaagnt ccntggnnaa ctcntctnat ngcttnngcn agncagnctn ctncccnntt    360
ncccnacnt gntgntncca gnscanccat ncgtcctaag gtcatctcag cagacgctgt     420
acgatgagca cacagtcttc cagtgaaatc cgccgtgatg gtgatgagca gcatcctcgt   480
gagaggagat tgattttgtg gttactacgg agcttctcca agagaaggat gagtacagga   540
taggcagagg atgcctctgg gaccctcggg gtacatggca ctcacacctc tcattgctgt   600
gacaggacac ctgacagaaa tgaccacgtt tcaaacatgt gagcctttc aggacatttt   660
aatagcaaat aatgtkggaa taggacatta aatggtaggg cataaacaga a             711
```

```
        <210> 43
        <211> 455
        <212> DNA
        <213> Murine


        <400> 43
gaattcctgt gctttccact gtgtggctat tgggggggaag tgctgtctta agacattctg    60
atgtttctta ccaggtttgt tttcttcaca gccctaggac tggacaagaa cagagtcata   120
gaaactgctc ctctcagttt ccgaagcctg ctaggtgtac ttggtattga agctgctcta   180
gacagcctga taagattgtt cagtggagat aacaactagt ctcccgcygg caaacacaca   240
ggaacattgc tgggctgagg aacattcaaa atatgttgac tatgagcatt tctcttttcc   300
aattagaaac catatccttc agacatgagt ttgtgtgcat tagtggtata ttacatatga   360
actcccatgg cataaaaaaa aatmmagcta ttaagatatg ttaatagtca acatattttg   420
aatgttcctc agcccagcaa tgttctgatg tttct                              455


        <210> 44
        <211> 225
        <212> DNA                   .
        <213> Murine


        <400> 44
gaattcgtga cacatcctta tgaaaagyaa gggggtagtg ctgtcactca catgccagtc    60
gctaagaata agcagtaact aggaattatt gagaagtgca awccywgtat thaatcagyt   120
ctkaatctwc agagccttat agcmaacwag aawwgcywgw ayctgtagca acttgggscc   180
acwkatkggt aggwccwyyg tagtaacaag agaggcacac acttt                   225


        <210> 45
        <211> 368
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(368)
        <223> n = A,T,C or G


        <400> 45
gaattcgttg tataagtcac aaaaatctat gatgaaaata aaacgaacaa acaaaaagaa    60
gaaaagaaag agaaaaacaa aacaatactc caccacatta ttcattctta cagtgaatac   120
ataacttcta agtccatcct aagtgtggct ttcttcctat actgcatcca tcagatgttg   180
ttgcatgtct gttagtccta aaatgaactg acaaatatgt cttctctttt tcagaaattc   240
agagtgaggt gtaaacatga gcagaatagt cttttwaaa tttttacct taaatccttg    300
aaggtatctt gcagttcacc ctcctgcadg gtcagtgtta gaacctttta atngctatmc   360
accatagg                                                            368
```

14

```
        <210> 46
        <211> 376
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(376)
        <223> n = A,T,C or G

        <400> 46
tgnntcgatg gatccatcga ggcttgcctt tgttgccttg ctcacctgtt gattgctata       60
gagtccctgg ggtccaggaa cctgcaagag atgggggtga aggcctccta tgcataggtt      120
ccatatcamg tgtgttgctt gcctggtggc agcccacayt ttgtacccac ttcctctgct      180
ggctctagga gcctggaaca tgctcttccc cagcctgcct ctggctttcc ctgtggtcct      240
actccgtgcc acagcacytg ggaagtcttt gtgtactaag tctcctgata gccagtkstg      300
ctttagartg tggccgctyc ccaccgctkg ccgggaccat ccatttcttc ttccttcttc      360
caggaagttg gagata                                                      376


        <210> 47
        <211> 650
        <212> DNA
        <213> Murine

        <400> 47
ggaattccat tatttaaaat tattaaccac tcattcattg acctacctgc cccatccaac       60
atttcatcat gatgaaactt tgggtccctt ctaggagtct gcctaatagt ccaaatcatt      120
acaggtcttt tcttagccat acactacaca tcagatacaa taacagcctt ttcatcagta      180
acacacattt gtcgagacgt aaattacggg tgactaatcc gatatataca cgcaaacgga      240
gcctcaatat tttttatttg cttattcctt catgtcggac gaggcttata ttatggatca      300
tatacattta tagaaacctg aaacattgga gtacttctac tgttcgcagt catagccaca      360
gcatttatag ctacgtcct tccatgagga caaatatcat tctgaggtgc cacagttatt      420
acaaacctcc tatcagccat cccatatatt ggaacaaccc tagtcgaatg aatttgaggg      480
gggcttctca gtagacaaag ccaccttgac ccgattcttc gctttccact tcatcttacc      540
atttattatc gcggccctag caatcgttca cctcctcttg ctccacgaaa cwgggtcaaa      600
cracccccaca gggtttaact cagatgcaga taaaattcca tttcgcccct                 650


        <210> 48
        <211> 327
        <212> DNA
        <213> Murine

        <400> 48
gaattccggc ctttttttaa ggtgtaggga ccacgtgcaa atttcagcac agaccacagg       60
ttctaggagg ctctcttcgt aagttatatc gtctttcaag aaatatcagc caaaagaaag      120
tggtttatta tttttctact tttcttgaac ttggtaaaaa aaatagccat ctctaaatac      180
taaagtattt aagtctcaag ttatatcact tggtatcact tctgtmctgt gtttcttttc      240
tttatmccca ccccttgtt gtctgggagg ccatatgctc atkctgccaa cdytggtcct       300
gtgttaccag gctccagtgc tcctctt                                          327


        <210> 49
        <211> 297
        <212> DNA
        <213> Murine
```

15

```
<400> 49
gaattcagaa ggtcctttat ccttccctca agcaactctt ggtttcctgt tagatcctaa        60
ccctgatctt mtcagcagct gtctgtcagg cagtctccac cctgaaccac cttctgamct        120
ctygccatct tttgcctaaa catactattt mctttggggg actaaggtta tgaactgagg        180
gggagtggsc ctaggsccct taaggtaggc cttctwcggt tctggggact aagaaaacca        240
gaacttycct aagytgcctc tggvaagcct aaattccsst atgctccccc caaagca          297


        <210> 50
        <211> 160
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(160)
        <223> n = A,T,C or G


        <400> 50
ggaattcacc accaccacna ccttcagctc atcggatgta cagtttacag ttgagtaaca        60
gtgaacggaa ggattttctt tcttggtcgg atgtgcagaa cttgggatgt gtatatataa        120
atatataata trtataaata tatdtaatnc ngacttaaat                              160


        <210> 51
        <211> 532
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(532)
        <223> n = A,T,C or G


        <400> 51
gaatwcgttc ccatgtagga ggtaaaacca attctggaag catctnannc ttccataaat        60
aactttaatw yttagcataa tdacngcctt ngattgtctg nanctcagta gctattaaat        120
aacatcgagt aacatctgca tcaggchctc agaatataca gttgagttgg gagtaaactg        180
aaaagacaaa tgtgttgawg dctatgccan gggaatctnd ctcaaagcct aacacagnad        240
dcancttcat cccagtgacd atnytggacg tacagatggt gatdgcaaag gtgtagaaca        300
cattttttca aagactaaat ctaaaaccca gagtaaamat ccgatgctca gagttagcat        360
aatttggagc tattcaggaa twgcmgagaa atgcattttm acagaaatca agatgttaww        420
ttttgtaaaa chawawwcac ttagamaact gtgtttcatt tgctgtaawc agttttaaa        480
agtcaratgg aaaaagcaac tgaagttcct tgaaaataga aaatgtaatt tt              532


        <210> 52
        <211> 467
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(467)
        <223> n = A,T,C or G


        <400> 52
gaattcgcgg tgtggaggct ggtgctgagg cgcgggctgg gctggcgaag gttggtgact        60
```

16

```
tgtgtgcagc cagtgaggcg ggtcacctgc angggggcct tgaatgaagg ctgctaggcg     120
agatcagtga agaaggaagg ggcttgggtg gcggaggccg gggagaatca tggaggaaag     180
accngggbnn nbaggctgat gggsgggtta ctgtagaagc tgtccgagga atctggagaa     240
angggagacc ttngtttaga ccgattttkc aaancactgc cccttgttgg agctaccccc     300
ccaaaacccc tgdngdgccc ctgctaccga caatgggcag cctctgttgg atgctccctg     360
tctgtccaag ctctgaccat ctctatatct agtgcttgta cctaggtctg cctcactcat     420
tgaatggagg aatgtttcca gagtagggcc aggtcttctc aaagtgg                   467
```

        <210> 53
        <211> 344
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(344)
        <223> n = A,T,C or G

        <400> 53
```
ggaattcgtt tcataatatt tattttttca tttgggaact ggggatattt atttaggaag      60
gatggttcag ctctttttaaa tctttgggct cactgatggg gtggggggtg ggacacgggg     120
ttgaaggaac ttgaaagtgg ggaggaatgg tactattggc atgggggtac ctggtattga     180
aaatggacac atnhncyagc tgagagtgat gtcacthgcc tgtaaaccca ttattctttg     240
ggatgctgag gcaggaggat tgagagttag ggactaataa tnrctaggtg ctgacagtag     300
aacaggaagg agggtagaac ctgagttttg tngcctcttt taaa                      344
```

        <210> 54
        <211> 402
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(402)
        <223> n = A,T,C or G

        <400> 54
```
gaattcggag acgctatncc gcttccatcc gtmdcdcaga ccctgccgga gccgctgccg      60
caatggatga tcgggaggat ctggtgtacc aggcgaanst ggcagagcag gccgagcgat     120
acgacgaaat ggntggaatc aatgaadraa gtagcaggga tggacgtkga gctgacagtt     180
gaagaacgaa acctttwat ctngttgcat atnaaaaatg tgattkgatg ccagaagagc     240
atcctggaga ataatcagca gcattgaaca graggaagaa aacaagggag gagaggacaa     300
wttaaagatg attcgkgagt taccggcaaa tggttgaaah ctgagbytca agttaatctg     360
ttgtgaacat tctggatgta ctggacaaac acctcattcc ag                       402
```

        <210> 55
        <211> 525
        <212> DNA
        <213> Murine

        <400> 55
```
gaattcgaga agacttacag tggtggcctg ataaggtatt tgggaaaagt ttataccttt      60
cattagagtc ctaacaacca ttcactccat taaatgtttc tgtttgattg aatgagactt     120
ttataggact gttgaaaaga ggcatcagtt ttaaagtgct tatctgccct ttgtttttaga    180
agcagaccac tagagatctt ctggtgcatt cccaagctag gtaccacatg cacttgwtbc     240
```

17

```
ttgatgaaat gaattagagg attggggtgg tagtctcagt aacacatgag aattgttaca    300
ttctttggta ggcattgact ctdmcaggtt tgaaatgtca aatggaccct agtttctaca    360
gggcaagctc tagtcattga tgcaggtgc atgtagggac gagataaggg ctatggattt    420
ccattttatg aagtacgttt gatagaccct gtgatgctta gtagacaaag gagtaggcca    480
aatgagagta ggggaggkkc agaaaatagd gccagaggta aatty                    525

        <210> 56
        <211> 457
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(457)
        <223> n = A,T,C or G

        <400> 56
cgcggattct ttatcactga taagttggtg gacatattat gtttatcagt gataaagtgt     60
caagcatgac aaangttgca gccgaataca gtgatccgtg cbgccctgga cctgttgaac    120
gaggtcggvg tagacggtct gacgacacgc aaactggvdg aacggntngg bggttcagcn    180
gccggvgctt tacngdhvct tcaggaacaa gcgggcgckg ctcgacgcac tggccgaagc    240
catgctggcg gagaatcata cgcattcggt gccgagagcc gacgacgact ggcgctcatt    300
tctganncgg gaatgcccgc wgcttcaggc aggngctgct cgcctascsc cagcacactg    360
gcggnnntcg agcatgcatc tagagggccc aattcgccct atagtgagtc gtattacaat    420
tcactggccg tcgttttaca acgtcgtgac tgggaaa                             457

        <210> 57
        <211> 506
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(506)
        <223> n = A,T,C or G

        <400> 57
gaattcccga aaactcctcc tgcccaaagc tcccnntagc tactacactg aatccacaca     60
ggcttggtag aaaccacagc ggtcgcccca aatctgccac agttaacgct atatgtaaaa    120
cttgaaacag actctyaaaa cccctggtag actthtagct tcttgaggga tcanttggtt    180
acagagtcag tcaacatagc aacntatdcc tccnrggcat cnnggtacgt caccaacata    240
nngsyttgnh hagcccgagc cacacaacbs ntcagbttac nncgctmgca gtachsvcnn    300
nardamgtgg stgttynnwk ggcrgcmctt nntyawcmar cnkragcyrt vkgnnnnnag    360
swkybntnsr kawyyrkgsa gccccaggac aacaagccag cagtttctac ttctgcagct    420
ctttgttctt aacagtctag ctgacaagcc accgttcact cccaaatcca ctcaccctat    480
tcaatagscc tagargtata tttaag                                         506

        <210> 58
        <211> 304
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(304)
```

<400> 58
```
ggaattcgtt ggcaccaggg cgccactaaa ttaaattgag tcagcgccta aatggttctk      60
gcctgggtat caggcgtagg ttkgccagga ttyygcttcc ctaaatacgt ttttctgact     120
tagactcatt tgtaattatt gttcatttca tttgtgtttt tttttcttcc tcttttctct     180
ctctcdcdhh hnhcbtcctg tcacaatgat aacaatttag cattccagck caaaaagagt     240
ycttntttga gaagcaaaak caaggacaaa gacaagtcty cattggtcca tccagctctc     300
tcaa                                                                  304
```

<210> 59
<211> 471
<212> DNA
<213> Murine

<400> 59
```
gaattccgct gtcttcagaa gagggcatta gatccctgtt acagatggtt gtgagccacc      60
atgtggttcc tgggaattga actcagaacc tctggaagag cagccagtgc tcttaaccgc     120
tgagccatct ctccaatccg cagttattct cttttacaaa tatttyattt ttacatgtgt     180
ttgtatgtgc ttgtatgtgc atatgtattt gtagatatcc accggagctg aaattacata     240
caggtagctg tgagcmccat gtgagtgctg gggaatcaaa ctcacttgcc tttttcaaaa     300
tmagtccacg ctcctaactg ttgagccatc tcctcaggcc ccaactttct gatattttca     360
aaataaaagt caacggtaca tctatgggca ggatcgagct atatgmaggt cmcagtactt     420
ccagggytca cgadvtagct aatgtatrct cggtgcttgc taagaactat a              471
```

<210> 60
<211> 32
<212> DNA
<213> Murine

<400> 60
```
gaattcctct gcatagcaag tgctaggasy at                                    32
```

<210> 61
<211> 333
<212> DNA
<213> Murine

<400> 61
```
gaattcccaa attttggtta aaaataaaaa attattctcc ggctctacct cgcctcccca      60
aaagataccg agagccacat gtgtgggttt taccagtacc cacgggagga atcgggtcca     120
tgtccaccca agccaaggtt aaaagcccac tcatctacgg atgagaaaat caatttgaat     180
cacctcagtt aagcgttgcc ttaatttaac ttaattaata aggggggggag aragattgga     240
ggacvatact aattgaaarg ggcaagccct thacwgccyc ccaacccaaa atwaaaagrg     300
ccggyygaac mgsctttcyt ccctkgwtyy aaa                                  333
```

<210> 62
<211> 365
<212> DNA
<213> Murine

<400> 62
```
gaattccccg gctcdagcgg ccgcttttt ttttttttt tagttttgtg tcgtttaatt      60
aaaaaaactc aacagggata aaaaaacaag cattttacat aatgcataca ttctcaacat     120
ctgcagatga gataaataaa agaaggctaa agcagacata ctgtgtattg cttctctttg     180
```

```
gtaagttacc aatatcctct gcagaaataa aatatgttaa aaacaaaacc catggtmtta          240
aaataattgt cccttagtat taacchaaat attcagcaat aattacagta gatgtagttt          300
tcaaattggc aagaatgcat aatactttat tctctgaggg gtaagtagct gctttccaaa          360
attaa                                                                     365


        <210> 63
        <211> 331
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(331)
        <223> n = A,T,C or G


        <400> 63
gaattctacc tggccacctc agacaaggag aggaadgaag atwggtccga gagctcatgc           60
aagtcgtcct ggctagaaag cccaaaatgt gcagcttcct ggagtggagg gacctcaaag          120
ttgtctataa gaagatacgc cartctctat ttctgctgcg ccatcgaagg gccaagacaa          180
cgagctgatc acactggarg ctgatccacc gatacgtaga gctcttggac aagtacttcg          240
gmarcgtatg tgagttggaa cawcatcttty maactttkag gaaagcctam ctttawtctg          300
grmsgagdtt tytkawtggg tnrgggaatg a                                         331


        <210> 64
        <211> 554
        <212> DNA
        <213> Murine


        <400> 64
ggaattcctc gctgcggctg cgggatggtt ggcggtggcg ggaagcgccg gacggccggg           60
gcgggaccgc agttgtgaca aagactttc atggtgcagg cttggttgtt ccagtagata          120
aaaatgatgt tggttaccga gagctccctg aaacagatgc tgaccttaag agaatctgca          180
aggcagttgt cgacgctgca agssaccgag gagagactga aagcattcgc tcccattcag          240
gagatgatga cttttgtgca gtttgctaat gatgagtgtg attatggcat ggggctggaa          300
ttaggaatgg acctcttttg cyatggctct cattattttc acaaagttgc tggtcagctt          360
ttacctcttg cgtataatct attgaagagg gatctgtttg caaaaattat tgaagatcat          420
ctggcaagca gaagtgaaga gaacatagac cagcttgcag gatgaacaag ctgccctgtt          480
agtgcagtgb ctttgaagtg ggaccagcag acggggcttt gtttttaagg aatggagaaa          540
taaatgaatt ccmc                                                           554


        <210> 65
        <211> 333
        <212> DNA
        <213> Murine


        <400> 65
gaattccctg gaggagctca tcgactacac cggcggcctc aagcacgaga tcctgcagag           60
ccacggtcaa gatgctgaat tatcagggac actttcactt gttyctgaca cagtgctgca          120
aaagaataaa ggacactgtc cagaagttgg cctctgacca caaagacatc catagcagtg          180
ttctcgagtt ggaaaagcca ttgatargaa ttttgattct gacattaggc argtkgtggg          240
gaatwgatgg yytgctkgcc aggccagrac agccmaacgg cttctcaatk gaggtcatkg          300
gktggraaca ackttctttc cggaccaagg raa                                       333


        <210> 66
        <211> 439
```

20

```
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(439)
<223> n = A,T,C or G

<400> 66
gaattcgttc gtgcatagcc tccacactag ggttacagat tactgtgtgt gggtgtgtgt          60
gcgtgtgtgt atgtatgaga tatatactgc tagctcccca gaactagtct gtggggatca         120
tcttcctggt taactgatgc acggcccaag ttcggcaaca gcatctcaag gcaggtggtc         180
ccgggctgta taagaatcta gccaagcatg agacaattgt tttcctagct gatgcattgt         240
atttacaaat tagaacatgt caagacagca agtcttctcc ttagataatt ttcttggtat         300
ttcaaatacc tacagtgcnc tgacttcaac sctggggrrd arggarardr vcacaaccct         360
aaatacytgt ggcggctaas cgaacagaar ggggcatgtg gtgaagacca rcctgggcta         420
tatggtgaga attccacca                                                      439


<210> 67
<211> 537
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(537)
<223> n = A,T,C or G

<400> 67
gaattcccgc atcatggttt gtctaatcct taggaagcga cctcgttggt tttcctttag          60
gtccaggtag tatttcctat tgtccctctc tatatagtcc gttttgagga cactgtgagg         120
atgctcttct daccccactg acaccggtgg ggagggtgca gaatgcttct gcygcctcct         180
ggagacttgc tctttgctct ggccatgctc ctgtctgtgg cctttcaggc ccagatgggc         240
atagtgctcg atgaagtygc ctagacagtc cttcagctct gctgctaccg acaggagag          300
ggtcagttta ctctttctga tattgtcctg ccggcctctc cctatccaga cttyggctat         360
ctttaggaag cnnbcccggg agctctgctt cacgtctagg taaaaccyct tttttytsgat        420
gtccacacgt ttggaggcta gctcctggat ttcsgatgtg cccccagact gattaggggt         480
bgctgahtcg gagtagtkgg gggtagtgag aatdctgggb ctggggatag aggctac           537


<210> 68
<211> 435
<212> DNA
<213> Murine

<400> 68
gaattccctg gttatgtggg gataaaaatc ccaggcagcc tctacccaga tgccagtcac          60
ctagtaaaaa caacccttta tagtttttta aacttaaaaa gacaacgctt gaactcagaa         120
atgtaatttc taactcaaca ctaacctggt taatatttaa taactgcagg aacaagtggg         180
gaggggggcac gatgacagaa tcgattagga atttttaact gttgaatgca cataagaagc        240
catcagccaa atgaccaaca aagcagtctt aaaaattcat caggcctgag taatcgaact         300
tcagtaactt aaacccacca tggggcagtg tgcatggaaa tccctcttkg cbcctcccta         360
aggagagcag tctaaagaac agataccact tcctgckaat tccaccacac tggckggccg         420
ctcgwgcatg catct                                                          435


<210> 69
```

21

<211> 317
<212> DNA
<213> Murine

<400> 69
gaattccaga ctgacccggg cagccaaggt gttggagcag ctcacaggcc agaccccggt   60
gttctccaaa gctagataca ctgtcaggtc ctttggcatc cggagaaatg agaagattgc   120
tgttcactgc acagtccgcg gagccaaggc agaggaaatt ctggagaaag gcctgaaggt   180
gcgggagtat gagttgcgga aaaataactt ctcggatact ggaaactttg gttttggaat   240
tcaagaacac attgacctgg gcatcaaata csacccaasc atkgggatct acsgcctksg   300
amttctatct cctbctc   317

<210> 70
<211> 340
<212> DNA
<213> Murine

<400> 70
gaattcggcc gagcgccgct ttttttttt ttttttttt gaggcgggca gctaaggaag   60
gttggttcct ctgccggtcc ctcgaaagcg tagggcttgg gggttggtct ggtccactgg   120
gatgatgtga tgctacagtg gggactcttc tgaagctgtt ggatgaatat agattgtagt   180
gtgtggttct cttttgaaat ttttttcag gtgacttaat tgtatcttaa ataacctacc   240
tatagggaac maagggaagg tggctttwat tkacccctgr aagggadttt tyttctgggt   300
grataggctt tttwttwttt ttccaagtta agaggrtact   340

<210> 71
<211> 398
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(398)
<223> n = A,T,C or G

<400> 71
cgcgatagaa gacagacnng btagagaggy ggagyaayyc agcagcagaa tncttgccga   60
gcacgaagcc ccagcttcca tccctcctgt tgcaagaaat aaattaattt taaagtgcca   120
tttaaaataa aggcattgag ccaggtggtg gtggagcaca cctttaatct cagcacatag   180
gagtcagagg caggtggatc tctagagttt gaggccagcc tggtctatat aaagtgagtt   240
caggacagcc agggtttgtt acamaagaga aaaaagatg ttgtaatttg gagtaaaaca   300
aacacaaacc gaagaatctg ttacaggaat aatktgagag agtcacygct ttagratgaa   360
tactgtgggg ttttctcygt gtgttcttgg ggtgtttt   398

<210> 72
<211> 618
<212> DNA
<213> Murine

<400> 72
gaattccccc taactgcttc ctgctagaac atcaatttac tttatcaagt tcatactcgt   60
gctttgaaaa gaagaacagc aacacaccac agcatccatc gggcctgacc ttctcaaagt   120
aaacacagag gggcctctga aaggcaagaa ccattaactc ttaaaattct tcctgccttg   180
gagtggaggg ggtggggagg cagtggatac gtgtgcaggc atagtagtga cagaactcag   240
ctgatgttct ggggttgggc ctgggagaga tatcatacag gactcggccc atttttactc   300

22

```
tctggcctaa agattttgaa ataggaccaa gttgtccatg aagaggggct gagaagccag    360
aaactggtat tatagcataa ttttagaact ccgtgtgctg tgatgagatg ctgccaggct    420
gagctgcbgc ctctgagatg ctcggcagtc agagtgttgc taagaaaacc cctcagtata    480
ggaacagact ctaggtgcct gacatttgtg gctctagcat ctatattcaa tagttthcac    540
atgataggcc tgtaaaacat atgtttctga ggacaagaca tttctaagag agctctggag    600
gttatttgaa caggtttt                                                   618


           <210> 73
           <211> 531
           <212> DNA
           <213> Murine


           <220>
           <221> misc_feature
           <222> (1)...(531)
           <223> n = A,T,C or G


           <400> 73
gnggcgcagt gtggtvgmat tcttatacaa accgacaact gtcaccaaag cttataaaac     60
acgatagtac tgtccctctt ttctgaacca tcagaagaca caaaactgtt agtgacacaa    120
acggtgacag gtagctggga cctaggctat cttattatga aggttgtttt gcttgttgta    180
tatttgtgta tgtagtgtaa cgaatttgta ccatagagga ctgtccgtaa ctactgttta    240
gcttctacac attgaaatgt agatgtttca ttggctgtct gaaaaggtgt ggcttgtcct    300
tcctagagag atctacttaa aaactgcttt gtgacaaaaa ccacacctga agaaatttta    360
agaatttggc ccagttagtc actctgtgta atcccggaat ctagctgctg aagtcttgcg    420
aagtaaactc cccgtgaccg atgtcagtta agctggtgat acctggagad gtggtcagtt    480
gctaaggaag tggatttccc agtaggggtt tctgcacctc acctgtatag g             531


           <210> 74
           <211> 491
           <212> DNA
           <213> Murine


           <400> 74
gattcgaaca taccacctct gccccatava ctgttctctc cgggggaaaa aaatggaagt     60
tacctcacag ttcactgccg tggtatttca tctgtcccat gctttgcatg attgccatgg    120
tacagcattg tttcaaactg ttcactgtga tctgtgggtc tttgagtttc agtgagtttg    180
ctgaaatgtc gaagaaatat ttccaaactt caatgttcaa tgaaattttt gttcaagttt    240
gaaatggaga gagcagcttt aaaaggtact aagccttta caaattggtg agtactggca    300
catgagacct agagcaggac caacttctca cacatagtca gtgggaaaag aaagtgcctt    360
gaaagttcct ccctcmccta cacagtagtc gtcatgtcga gacctgccag agagagacac    420
attctcaagt gaatcctggc ttcttggaag cgccttscct agacgagaca cagtghcatt    480
aaaacaactt t                                                         491


           <210> 75
           <211> 389
           <212> DNA
           <213> Murine


           <220>
           <221> misc_feature
           <222> (1)...(389)
           <223> n = A,T,C or G


           <400> 75
```

23

```
ggattctcta cataatttga aaggaggcan ngtctcacta tatggctaag gctatcctgg    60
aacttgcgat cctcctatct cagccttcca agtgctagga ctacaggtgt gtgcatctcc   120
actatcaggc ctcacttgta gatgggaaac aggagtgccc catctgagaa tatgcatggc   180
ctcactaata aagccaggac cacaccacag cagtccaggt tgtctbcggc gatgggctga   240
ccttctggga catatctact ctatgtccaa gccaaggaca ctgmctttcc ccatgtgaac   300
ctagtcctca gaaatgagcc ayccccttcga atggatttat gccactggat gtgaaaaggg   360
atgctgttgt tttgttattg ggaagccct                                     389
```

        <210> 76
        <211> 605
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(605)
        <223> n = A,T,C or G

        <400> 76
```
gaattcgctt gcttcaaagc cagccttttg gatttcagat gagccgcggg tacccgcaat    60
ctatgtgcca ggacgccaga cccgcttatt gaaatcagag ctctattttg ccggctggga   120
cccaccgccc agagccacct aggtgctagt cgagggcgca cggagctgag ctctcccgcg   180
gctcctgcac ttccttcggt ccggcctggt cttggcactc gggctgcttg atttggtggt   240
gcaagaaagg tatgcgttgc atacgcccta gccctttgct ccaacgctct cagccccctt   300
ggctcagaca gtccactcct aggtctggtt ctcacggcct tccctgcagc tggcttagct   360
gagaaggcgg tgagagtcgc gtcagcagtt ttggaggaga aagtgcgggt tgattattga   420
cccacgcctt ctttcttcaa atgccacatc cgaccctgag ggtttgaaga gaaaaagcgg   480
ccgagcbghw ttnnycggcc ggctctcacc tcctamacgt cccgggctct tcccttcaa    540
gttgcgccgc tgcaatctgc cataaggagc aagtgtttgc tgttttgtgc tctgtttaca   600
gcttt                                                               605
```

        <210> 77
        <211> 465
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(465)
        <223> n = A,T,C or G

        <400> 77
```
gaattctaac gcgtgcgcga gtcaggggct cgtccgaaag ccgccgtggc gcaatgaagg    60
tgaagggccc cgcccggggg gcccgaggtg ggatcccgag gcctctccag tccgccgagg   120
gcgcaccacc ggcccgtctc gcccgccgcg ccggggaggt ggagcacgag cgtacscgtt   180
taggacccga aagatggtga actatgcctg ggcagggcga agcagaggaa actctggtgg   240
aggtccgtag cggtcctgac gtgcaaatcg gtcgtccgac ctgggtatag gggcgaaaga   300
ctaatcgaac catctagtag ctggttccct hcnaagtttc cctcaggata gctggcgctc   360
tcgctcccga cgtacgcagt tttatccggt aaagcgaatg attagaggtc ttggggggccg   420
aaacgatctc aacctattct caaactttaa atgggtaaga agccc                   465
```

        <210> 78
        <211> 681
        <212> DNA
        <213> Murine

<400> 78
```
gaattcgcag cagcagaaga tgggcgtcta aaaaggggcg atcagatcat tgctgtcaat         60
gggcaaagtc tagaaggagt gacccatgaa gaagctgttg ccatcctcaa gaggacaaag        120
ggcaccgtca ccctcatggt tctctcttga agtgactgcc agagctgaag cagcccagcc        180
actggctccc ctcctactgt aacagagagg acctgtttgt atgctgtgtt ggtcggagaa        240
aactacaggg aggcgagaaa cagagtgttt gttactcaca gccaagcatc attttttcctt       300
tactctgcat ttcatgatca tatactcaaa aagaagagat atttgcatag ataaacctca        360
gttttatctc gacaatatct aacaatttaa ggtcacgtgg acaaaattat tatatgttca        420
tcttgttagt gtggaaacaa aatgatacaa agttaggcaa ttaggttaaa gatggaaatt        480
tagagaaaaa gaagacagtt ttgagtttta taggacttct tcaatccagc agtccaaaag        540
aagaaaagaa agtgcttgca atactttga atagtctact gttttaaaat tgtgacatat         600
tggtcctact tacctctaat gcatattttt ctgctaaaat tgtttagcag tccttgtaag        660
ctttaaaagr aattccygtt t                                                   681
```

        <210> 79
        <211> 538
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(538)
        <223> n = A,T,C or G

        <400> 79
```
gaattccctt cagaattgtc accccacata aaaagttttc catcctcagt aagagcagcg         60
gatgtattgg cgccagcaga gagctgttta atggtatcag caggtgtaaa gaagacaatt        120
tgatgaaagg tgtctctatc gtcagtgtca ccaagcccca gttgaccttc attatttcca        180
ccagctgcat atacgccacc agtatctgtt gaaactaagg tgtggttcct tccacaggca        240
gcaagtttca ccttctcagg cttaagagct ttgatacatg ttggcttgat gatagcagct        300
tttgatccta atcctaactg accccagttg ttactgccga acatgtacaa tttattattt        360
cctgtaacaa tagcagtatg ttcatctcca catgaaagac atatgggtat gtcattttta        420
aaccagaatt tgctaggaat attttcggca aatttagttn nncaaacgtt aaaaacagca        480
cctgtatcgg gcaccagtga ctcagattcc gccatgccga agcctgcgaa cggaatct        538
```

        <210> 80
        <211> 130
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(130)
        <223> n = A,T,C or G

        <400> 80
```
gcgcttctng ckrnngtcat ggcatcntag gagngtgscc aatbrcgcsc ctattakgtn         60
gastgcgthn tttarcratt tacasctkgg gccggttcgt tttttagcva accgtayggt        120
sgatcttggg                                                               130
```

        <210> 81
        <211> 422
        <212> DNA
        <213> Murine
```

```
        <400> 81
attctcaggc ctccttagtc actgagacca ggctcttccc atcaaactcc ttgagctgct          60
gcacgcagta ctcgtcaata ggctcagtca tatacaccac ctcgaagccc cgcttccgca         120
ctcgctccac aaaggcagag ttggccactt gctctttgct ctcaccagtg atatagtaga         180
tggacttctg ggtctccttc atgcgagaca catactctga caaggaggtc atctcatctc         240
cagactgaga ggtgtgatag cgaaggagct cagagaggcg gcbgcggtta gtggaatctt         300
catgaattcc aagctttaaa ttcttggaga aggcctcata gaacttcttg tagttctcct         360
tgtcctcagc cagctcggag wakatgctyc ahggcacttc ttgacgatgt cttgcggat          420
ga                                                                        422


        <210> 82
        <211> 383
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(383)
        <223> n = A,T,C or G


        <400> 82
cgcagtgtgt sntcgcattt agtttttttt tybbgcacct tattcctgtg gtgtcttcac          60
tagagataat cagggtgcca ctactgcttc ttactttgat acctttagca aaaatcccaa         120
tgaggtaatt tatggtttag taaatgaact caatagcttt ttkgtttcaa gagtccaaca         180
atcctaattc cttgaacttt ttcttagagg ttatattttc caatcttggt tttgtttctt         240
ttaawtttgt tcyttawctt tctctcattc tyacgkkatt tctgaaacaa caccccacta         300
ggaawttgag cccmcagttc aattkgacct cacctcctaa gaagtgggsc ttcttttcag         360
tggaccacca ctwaaaggra aac                                                  383


        <210> 83
        <211> 609
        <212> DNA
        <213> Murine


        <400> 83
gaattcctgt gggcaatgac acacacacac acagagtgag ggagagagag acagatacac          60
acatacattt gaatgaaatt ttaatttaac tcatgtaatg cccttgagac atggaaaacg         120
cagttgtgag gttaaaccat acaagcttaa gactttgaca gcatcaaatt gatcaccacg         180
tttactgtca gaagcacaga attcatggtt tcccactttc tttcctacgt tagataagct         240
tgctagtgta gagtttgtca taggcgatgt cttgttcaga taggctgtta acgattcaca         300
gttgtttcta attaaatatg agtttttaag ttattgatgc ccccatgtgg tgaaaagcgt         360
atctttcctc tgttagaact tggaaatgac tatattttca ttttaataaa agtggataat         420
aatgtttttt ggaaatgctg ttgatcaggg acataatttg aattttgtaa agctcattgc         480
cataaaattc acagcctcac cctgtgttgt ctcagaagtg catgtaacca agcacgccca         540
ttgagacaaa gtataagaga gactgagtta tagaatagcm tagggcttth tcygatccat         600
gtttgdtga                                                                  609


        <210> 84
        <211> 325
        <212> DNA
        <213> Murine


        <400> 84
tcagaccaac atcaatcgat tcattaaata tcttacacta ttcctgatta ccatgcttat          60
yctcacctca gccaacaaca tatttcaact tttcattggc tgagaagggg tgggaattat         120
```

26

```
atctttccta ctaattggat gatggtacgg acgaacagac gcaaatactg cagccctaca      180
agcaatcctc tataaccgca tcggagacat cggattcatt tagctataag tttgattttc      240
cctaaacata aactyatgga gaacttcaac agattatatt ctccaacaac aacgacaatc      300
taattccact tatagggcct attaa                                            325
```

        <210> 85
        <211> 360
        <212> DNA
        <213> Murine

        <400> 85
```
ttcgatggat tccatcgagg cttgcctttg ttgccttgct cacctgttga ttgctataga       60
gtccctgggg tccaggaacc tgcaagagat gggggtgaag gcctcctatg cataggttcc      120
atatcagtgt gttgcttgcc tggtggcagc ccacatttgt acccacttcc tctgctgctc      180
taggagcctg gaacatgctc ttccccagcc tgcctctggc tttccctgtg gtcctactcc      240
gtgccacagc acttgggaag tcttgtgtac taagtctcct gatagccagt gcgctgcttt      300
agargtgtgg ccgccttccc accggcgtgg ccggggacca tccatttctt cttccttctt      360
```

        <210> 86
        <211> 456
        <212> DNA
        <213> Murine

        <400> 86
```
gaattcgttt cctgacatca agaaaacact gcaagttccc aggacaacgg ggacagagct       60
gaagctgggg acagaagcag ggtgctccct aggctacttc tgtctggttt ccagccacc       120
cagaccctga cttggggcgt gagtccttaa aatagctaca gtacaagtag gtatatgaaa      180
gtggagtgtc cttcagagtt caagctacta caaaatgata cctgtcccct ccagggaatc      240
ccaattcaga agtcagaatt aaagtggcca attatctctg agacagggag agagagacag      300
ccttggaacg ttgcatccat gaggacagta atttgtaaat gctaaatggt atcccccttc      360
atacaatgtg gcaaggsata tatgtcttaa aaccagcttg agccaggtat ggtgatacac      420
yyctgcaatc caaacamytt gggaggcgta gagaga                                456
```

        <210> 87
        <211> 274
        <212> DNA
        <213> Murine

        <400> 87
```
ggaattcgat cggcctatcc cactaaactg ctggctggag ctctgagagc tcctccctgc       60
tgaggcggtg ctgctcgccc cgtaagtgcc agcagcatac tcctgcgccg tgtagccact      120
ggttgccata ggcagctgcc ccataggtgc cttgagcata ggtgtattgg cctgcttgtg      180
ccccaaaggc agaatttggg cttccatagc cactgccatt agcataactg gctctatcgg      240
gtttccacta csgatccctg taagcttgta gaat                                  274
```

        <210> 88
        <211> 521
        <212> DNA
        <213> Murine

        <400> 88
```
gaattcgtaa aaggaggcct cgaatctgag tgacaatggg cccttctact ccagggacaa       60
tgattgtatc cccttccttc aaacgtccat tgatcaatat gacatctatt gtggtgccca      120
ttcctgggag agctttaacc tccatgactt gtgctctcag ctcttcacag tgtgcaagcc      180
tcttgctcaa catggtttga gttaactcca caagaaggta gatgagactt cccatgccat      240
```

27

```
caccagtatg tgcagaggta ggtaccaagg acacgaaagt gcggggggatc tttattctca      300
taaaacaaag cagcattcaa accctgctgt gcaaattcta caataatggc ctttgcacgc      360
tcctcaaatt catcctttgt atccttcttc tgctttttta aagtaacagc cwcatctagr      420
atcaggastb tttyttccaa tcatataacc tgttcaatct ttattaagtg caacaatgaa      480
ggggcacttt ttagatttga gaatkttgat tgattcaatt g                          521
```

        <210> 89
        <211> 575
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(575)
        <223> n = A,T,C or G

        <400> 89
```
ctcagctatg cadvvvnntg gtacgagctc ggatccacta gtaacggccg ccagtgtggt       60
ggaattcttt ttttttttttt ttttttgaga cagggtttct ctgtatagtc ctggctgtcc     120
tggaactcac tctgggatca gggtggcctt gaactcagaa atctgcctac ccctgcctcc      180
caagtgctgg gattaaaggc gtgcaccacc actaccgccc ggccactgat atgccttaag      240
tgacagacat tatgcttgtc aattagcttt cacaaacagt actgtctcta caaggcattc      300
agatacaagg agcctcaagt atctcctacc tgataagtca tgtcaagagg ctgcacttca      360
tatgggggtca tttataatgt acatgatttt atttgtatat tactactgat catgtaccag     420
ggaaactatt ctcagaaccc agttttttgtt ggaawacaaa aagtgcaata tatgactcaa     480
gtgcaaaara aatcctccaa ttttatttct gtaaggacag gctgggcctg atgcacacag      540
gtccctcccc ggactagtaa ggcaaratgc agcta                                 575
```

        <210> 90
        <211> 449
        <212> DNA
        <213> Murine

        <400> 90
```
ggaattcttt ttttttttttt tttttttttt ttttttagaac aactcagcaa aataaaattc     60
cggtttattg ttggacattg tttcacacat acatcaaaca ggccaaaaaa aaataaacag      120
caacttcata gacagaaaga aaaggaaaaa aaaaatcttt ttatctttgg cctttttaac      180
catctcatac aaaccaacta cttatagtac agctaggtac atacacaaaa gttactggaa      240
tgctcggaat aagattgttt ttttgttgtt gttttttgctt tttttttacaa ggttttttttt    300
ttctcctttg agattataat gaacatggtc acaccacaag taaagtctga agtaggacag      360
aaaackctct gaaggctggt ttggtcaccc gttatcatta aaaatggctg gacccttaac      420
aatatgttac aaaaatttaa aatgttaat                                        449
```

        <210> 91
        <211> 487
        <212> DNA
        <213> Murine

        <400> 91
```
ggaattcttt tatcataaaa gtgttgacgt ttatttatta tagcaccatt gagacatttt       60
gaagttggaa ttggtaaaaa aataaaacaa aagcatttga cctgtattgg gtggttgaaa      120
cagcaaaaaa ttgtattctt tttttgtcaa attatgcttt ttccaaaagt ttggaaataa      180
ataactggaa tttagttggt cacttgcact ggttgataag attaaaacaa gatgaacaca      240
tggatgtggt ttttgtttttg ctggggtttc agagagtttd gcttataaaa agcaaacagg      300
kccaatgtcc acaccaaatt cttgatcagg acccccaatg tcatagggtg cgatatctat      360
```

                                    28

```
gatgggtagt ctcattdcct tgcgtgtttg atattcaaag actgtcttdc dccattcccc        420
agtgtgttta gtacagccat tcctctagaa ctgtgtaagt gaatttdctg tttccttcca        480
gccttga                                                                  487


        <210> 92
        <211> 399
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(399)
        <223> n = A,T,C or G


        <400> 92
ggaattccag atcagctcca acccggngct ggcagccatc tttgaaagta tccagaaaga         60
ttcttcgtcc accaacttgg aatcaatgga cacgagttag atgtgtgcnc cccgtgagga        120
ccattccatg tgaccgcaca atgcactgaa cgacaggttg accacagcca cgggagagaa        180
gtgtccagag cttcacgatg ttccacttta ctttccttcc cgggaagttt gtttggcttt        240
cttccattgt tgtttttgta gcttttwctt cagaagtctg tatttccata agccagaggt        300
tgtaaagcca ctgatgtttt tagtggttag ggcaacattt gaaatgggaa cttaaddnct        360
tggatttatg aaatgtggaa atagggtcca gtatctgtt                              399


        <210> 93
        <211> 343
        <212> DNA
        <213> Murine


        <400> 93
gaattcccgg gatttcatga tttaaaagga aacatggtgg tattaaccca cttggcaggt         60
gtcaaatcct catgaccagc ttaagacaga tcctagacgg aaagggaggt gcagcccaag        120
tcagggcttt ggggtgcaca gggagccagt aaggaggaga ccgtctgggt ttcttcccag        180
atgttaacat cttcttggct cttactcact cccacccttc ctcgtaaaca aatcaaggcg        240
agccctctaa ggctggagat agcccagtcc agctcagatt taatactcta gcccttcccc        300
ttgtgttatt ttthmcmagc tgccttctgc ctccaacata tga                         343


        <210> 94
        <211> 203
        <212> DNA
        <213> Murine


        <400> 94
gaattcgaac aggccaatsa ggagcttcga gaacttaycc agaatgtsaa agacttscct         60
cagccgtgag cctcccatgt ggcccaggcc atgtgcttgc ttcccttgtg tctgtgtgta        120
cttgagtctc ggtgtctgca atggacatgt gtttatracc ctatgtctgg ccctgagtcs        180
ctgtccagtc aatgtsccta agt                                               203


        <210> 95
        <211> 441
        <212> DNA
        <213> Murine


        <400> 95
gaattccctc ctcccgcagt tgacaagcca agccgccagc tagcttcatc accaactcgc         60
tctcgctcca ccatcctgga acccttت ccc agcttcacca ccacatccgt atggctcctt       120
```

```
cttcctagct tcctccaccg aaccgcactc tttcctgggc tatcttcacc atgcactgct      180
gctgchggct cctcagtcct tcctagcttc accaaactgg cttcgggact cctgtctgcc      240
gctcctgtct tcctagttca ctgaatgcac ttctgtgtag acctgggtca gctgccaatg      300
ctagtcgtta ggattttaaa agcacctcag ctcaagtcca atgcaaaatg ctgacaatct      360
tgaaactgtt atcaaaagtc cttttgtcat caagcaaaat taagctacaa gttaaggctt      420
ttaatattct ctaactctta a                                               441
```

        <210> 96
        <211> 390
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(390)
        <223> n = A,T,C or G

        <400> 96
```
gaattctgga agtgtgagcg tctctggagc agatttttc cggggccggt ctttgggaat      60
ggacagaaat tctggcgcat ctgtggagag aggggtggat ggggcgctgg aggggggcgct    120
gcgcaccgag gaaggcagta gggcgatgct ggagatagaa atggccggtg ggaaawhgcc     180
aatcttcttg ttggtggctt cctgagtggc tctttcgaac tctcgcactt catccattgt     240
catgtcttca aagggaaaag cggagaaaag aatagttact gttcggacbg gcaaatgggt     300
twhnhhnnct aaatctgggg acactaccat gaagctgatg cctacccaat cacaaacttg     360
acatgtcttt gaaatattag accctcattt                                      390
```

        <210> 97
        <211> 426
        <212> DNA
        <213> Murine

        <400> 97
```
ggaattcctc ggtcatcact gggaagagag gccccttgt cttaaaattt ttatatgccc      60
cagtacaggg gaaggacagg gccaagaagt gggagcagca tggggggggg tgattttcgg     120
gatagcattt gaaatgtaaa tgaaaaaata tctaataaat tttttaaaaa gccagatgtt     180
aaaatgtgac aataaataaa taaacaaaca aacaaataaa tgttttacaa cctaaaaatt     240
ttaaagaaaa aatgaaaagt ggagatgagg gccccaattt acctaatttt actgctgcat     300
cctattggaa aataagtaac aaaaactgtg aaattgttgc atgtttttctt ggtatttgtt    360
ttaatgaata gtttctaaac dcagaaatcc ttgtggaggc agcgcagagt aatgcattga     420
tcatca                                                                426
```

        <210> 98
        <211> 385
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(385)
        <223> n = A,T,C or G

        <400> 98
```
tctgagacaa ggtcttagtg tacacggcct gcatgacctg gcctcctgct taaagaaatc      60
ctcttacctc tgcctcccaa acgctgggat tacaggaaca tgccaccaga tacagccaaa     120
atcattacct tttctttctt cttttcagta ccagggtcct acacatgcta ggcaaactct     180
```

```
ccaatactag ctacacccac agctcagcga cacaagctcg tctcttgtgc ttgagtctac    240
agtgaaagtt gactcaactg aaatgtttac cttgttgatg ctgtaacact gtctgagtcc    300
agaaggtttt cagtcatcct taactgcagc acctctggca tnyngtctga cttttctaca    360
ccttcttctg gaagttcttc tatat                                          385


        <210> 99
        <211> 299
        <212> DNA
        <213> Murine


        <400> 99
ggcggtaggc gagcagcgcc tgcctgaagc tgcgggcatt cccgatcaga aatgagcgcc     60
agtcgtcgtc ggctctcggc accgaatgcg tatgattctc cgccagcatg cttcggcca    120
gtgcgtcgag cagcgcccgc ttgttcctga agtgccagta aagcgccggc tgctgaaccc    180
ccaaccgttc cgccagtttg cgtgtcgtca gaccgtctac scgacctcgt tcaacaggtc    240
cagggccgca cggatcactg tattcggctg caacttttgt caatgccttg acactttta    299


        <210> 100
        <211> 390
        <212> DNA
        <213> Murine


        <400> 100
gaattctttt tttttgttat tatctgaaat gatgttttga aacttctttt gtctctgcct     60
cacccccaac ctactcccct ctccaaatca caaactaggg aatctggaaa ccaaggaaaa    120
taccaaatcc agatttcttt tgaagaccta gaaccttttla agatgactcc tttcagtgct    180
attggtttgg agctctggtc catgacatcc gacatctttt tttgacaact ttatcattak    240
tggtgaccga agagtagttg atgattgggc caatgatggg tgggggcctg aagaaagctg    300
ctgatggggc tgctgaggtt aktgattgtt cattaattgt ggatttwtat ccactttttg    360
gggggagact gattactttt taaaaagcag                                     390


        <210> 101
        <211> 389
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(389)
        <223> n = A,T,C or G


        <400> 101
ggaattcgtc agtgagtgtt gactcatcca aataccaagt gctctggtct gaagctgagg     60
gccctgctgt agggtccgga gccccacaca ctgtgttgat ggctgtggac tgggaggaaa    120
ggagctcgtc tagaagacgc tgggctgtgg ggagaatctg ctgaggaagc tcactgataa    180
ggtactgagc aaatttttga agctggtccc tttgtagccg agacagggac tctgagactg    240
gagcccgcag gcagactgca gatgcgttgt gaatgcggaa gaggcagagt gccacgacat    300
gggtgcacca tttggccccg gccccacagg tacagctaca agaagtgacc cggcagcngt    360
caaacatcac agctacattg taggccccc                                      389


        <210> 102
        <211> 344
        <212> DNA
        <213> Murine
```

31

<400> 102
```
ggaattccag atatctggcc agcatcctta gtggcctgtc gctgtgaatc attgaaataa    60
gcagggactg tgatcacagc attttttgct gtgtggccca agtaattttc tgcagtctct   120
ttcatcttca tcaacacaaa tgctccaatc tgacttggag aatagagttt tccatgagcc   180
tcaacccaag catcaccatt ggagcgcacg gcacaatttt aaaaggacac atctcttagt   240
gtcttctctg tcactctcag gggtcactca tactcgctcg ctccaataag cacgcttagt   300
acgcatagaa ggtattgttt ggattggtsa cagcttcccg tttt                    344
```

<210> 103
<211> 354
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(354)
<223> n = A,T,C or G

<400> 103
```
ggaattctat ttgtaacccc ctaatttgta accctgtaac ccagggaggt tagacaacac    60
tcattccctg gtgtcttttg tctcactgat cagtcagaac ccagcctgaa agcagttgta   120
ggactgtttt ctaagccctg ggcagcagag gcaggattag gagttcaaag caagtcttaa   180
ctacatggca taaagaaagt aggagctaca ggagatgttt ctctaaacag acagatatga   240
aatctcttta aaaacaggga atgaaattct taattttggg gagcaatatt ggagaactgw   300
tncacttaag agatcaccca tgtgatagtg aaaaatgaaa tttaaaatct caat          354
```

<210> 104
<211> 387
<212> DNA
<213> Murine

<400> 104
```
ggaattcggc tgaggctgca atgtgaggtt agatgtggag tcacgctgtt caggtttctc    60
attaagagga ttggcagtga aattgccttc caaagaactc tgcagtggga tgtggcacaa   120
ttctgagagt tgactctgat gcattctttc aggtttttaa cagtatttga ttataaacat   180
atggatattc aattgagaca atttttattt ttctccctgg gtaggaagaa ccactaagta   240
aagggcaagc tgggcttgcc tgctctctct gtccagttct acattagtcc agtctgcaca   300
gtgtcccatg ctgcctgtaa wcacaaattg tggttcttgg gttaagagtc atgtgttttc   360
cagaccttga actctctact gagcaga                                       387
```

<210> 105
<211> 269
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(269)
<223> n = A,T,C or G

<400> 105
```
ggaattcccc ggctcgagcn ngccgctttt tttttttttt tttttttttt accatgcaac    60
aaaaccttta ttaacatttt ttaacagagg ttcagctatt attgaaactt gtaatttcta   120
aacttaaatt ggggcaagtg gctagagtgc agagtaatgc catcactgcc cactgggaat   180
gcagaccgaa taattaatag ccannncnnc agacggagag accaggtgca aggtcgactc   240
```

ctttcnrgaw ggttgtaatc agagagagt   269

          <400> 106
ggaattccca gagggggat ctcatcagga aggcgatgag gatgcctcgc gcatggaaga   60
ggtggattaa agcctcctgg aagaagccct gccctctgta tagtatcccc gtggctcccc   120
cagcagccct gacccacctg gctctctgct catgtctaca agaatcttct atcctgtcct   180
gtgccttaag gcaggaagat cccctcccac agaatagcag ggttgggtgt tatgtattgt   240
ggttttttg tttgttttaw tttgttctaa aattaaaagt atgcaaaata aagaagatgc   300
agtttatag aattccacca cactggcggc cgctcgagca tgcatctaga gggcccaath   360
cgccctatag tgagtcgtat tacaattcac tggccgtcgt tttacaacgt cgtgactggg   420
aaaacctkgc gttacccaac ttaawcgcct tgcagcacat cccc   464

          <400> 107
gaattccgga atggcatgat actgaagccc cacttccaca aggattggca gcagcgagtg   60
gacacttggt tcaaccagcc ggcgcgcaag atccgcaggc gcaaggcccg gctggcgaaa   120
gckcgtcgca tcgcccctcg ccccgcgtcc ggccccatca ggcccatcgt gaggtgccct   180
acagtgagat accacaccaa ggtccggkct ggcaggggct tcagcctgga ggagctcagg   240
gtggctggca tccacaagaa agtggctcgc accatcggca tctctgtgga cccgaggwdg   300
cgaaacaagt ccacggagtc actgcagg   328

          <400> 108
ggaattccgg atctcttctg tgttcccact actcaagcac cgagtggcgt tctatggcgt   60
ccgcctcggc tcagcccgcg gccctgagcg cggagcaggc caaggtggtc ctggcggagg   120
tgattcaagc gttctcggcc ccagagaatg ccgtgcgcat ggacgaggct agagacaatg   180
cgtgcaacga tatgggcaag atgctgcaat ttgtgctgcc cgtagccaca cagatccaac   240
aagaggttat taaagcctat ggcttcagct gcgacgggga aggtgtcctt aagtttgccc   300
gcctggtcaa gtcttatgaa gcccaggatc ccgagattgc cagcctgtca ggcaagctga   360
aggccctgtt cctgccaccc atgacactgc cgccccatgg ggctkcttct tggaagcacg   420
tbtngcagcc tyctgagatt bgttctcgta tgtgtkcctg cctgctgttg gargccggcc   480
cttgtgttcc agaggrtaat aaatgtacht gtgactcaaa aaaaaa   526

33

<400> 109

```
gaattctaac tatctaaaaa tatgaatgga taaccaaagt attccaaacg tggctattct      60
gatccaccgt ttgttttct cttaaaaaaa aaaaagtat gtacagaaat tgtataaaag      120
actttgtgaa ttcaatgaga gttagcttcc agtcttcaca tcccaaatgc tgggtttaca      180
gttttggctc ctttgcatat ttgcctgtag aattaagact cataattttt gccttgctaa      240
cagaacacac tttaaattat gaaaagccct caacatatac caaagtaaaa gacagcattt      300
tgaaattagc caaggccaac atgattctgc tctctggaac cagtgtactc tagtgaattt      360
ggtgcttgtg gtgagtgaga aacgacaatg ggaaatgtct actgtttgac ttttgaaatc      420
agatttattc agtggtggct ggacttgggg atgggttcaa tccaccattg yctggcacat      480
gttaattact aggtaaaggt caaatacaat kthagaccta aagccacagg aggaggatgc      540
aaaacgttca attccaaaga gaacagtttw gwgttcaaca acatgggact ttwcctag      598
```

<210> 110
<211> 474
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = A,T,C or G

<400> 110

```
gaattcggaa tggtggcgct gtgcctgtga gcttccgaag ttaatggatt gttctggctg      60
tgacgaacag gatgacggtg tcaggcgact ccagccaaaa gctttgcaaa gtggctcgag      120
tcacagtact ctgatgctga ggcaggaggg ctcccagttt gagtcagcta gggctcaaac      180
caacccaaaa aagcctgcca agtgaaaaaa gacactttcc agagctgttg caaggtgcag      240
ctggcagcac agcacagctc agcccatccc agcccagaag gagcagcgcc acccacaggc      300
gcagggagga agtaggaagg ctgcagggg caggcagctt tccctgggac aaagaaaagg      360
aacatttggt ctctcagtgt ctgctcttct agatccaaat acacagtacn cctttgctgg      420
tgttttgttt tgaattaaag aatattaaag tttggggaa ttcaccacac tgrc      474
```

<210> 111
<211> 409
<212> DNA
<213> Murine

<400> 111

```
gaattcgtca ataaggtata ggctacaccc ttctcaccag ctcttcctgt ccggccaatc      60
ctgtgagtgt gcgtatcaat gtcccgtgct acatcatagt taatgactgt cttaatggaa      120
ggaatatcca gaccacgggc tgcaacatca gtggccacca ggacggggat gtccttttc      180
ttaaaatctg aaataacctt gtttctttcg ctctgatcca tgtccccatg gagcagacca      240
agattatgac cctcctgctt caggttactg gctagctctt cagcattggc tttcttagta      300
acaaacaaga gcacactccc cgaggaagta aactccacca gacgccgagt cagccagttc      360
catttactkg gtccggaatg gagaatytcc acaatctgtg tcacatytt      409
```

<210> 112
<211> 331
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(331)
<223> n = A,T,C or G

<400> 112

```
ggtgacacta tagaatactc aagctatgca tcaagcttgg taccgagctc ggatccacta      60
gtaacggccg ccagtgtggt gaattccccg gctcgagcng ccgatttttt ttttthtttt     120
tttttccaa cttaaaggct ttatttgaca caaaatacaa tatggctgcg ggaacaccaa      180
actccaaaaa caaaggaacb aaaaaaggac catggttcta tctaatgtat aattaacagg     240
aagtcactag acgagtaaca gatgggtacn ccttgcggga aagtctttcc taatkcccat     300
acttctggaa ctcccactct ctgttgtcca a                                    331
```

<210> 113
<211> 373
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

<400> 113

```
ggaattcgtt ttggaataac tggtcaacaa aaatcaaaag atgtctgggg ggtgggggga      60
gactgcctgg cagtacaggg tgggggagaa actccataca acaagacagt gcaaatcagc     120
aggaaactgc atgtgtgcac tccagacagc caatccagga gcatgctgtg cattctggaa     180
ccctccagat gagtgcagaw wtdtggcaat gccccatgca ttcacctttta atgcaactgc    240
accagcccta ctgtgagtga tgtgatctcc ctttaaaaac cacccaccat catcactgat     300
tcaattatnn yygcaagttg tatcttcaag gacggaagcy ctgaagtgac cattcacnad     360
cttataattt ata                                                        373
```

<210> 114
<211> 312
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(312)
<223> n = A,T,C or G

<400> 114

```
ggaattcgtc tacagcaacc aaagagataa caacagtagg gtctgaaatt tcaagggctc      60
tggggttcca ggccagtatc attcacagaa ggggatgggg aggagggctc cagaggctgc     120
caggctaagg ctatacagaa ggbcctccat gaaaagaagc tttatgaagt ttctccagaa     180
actcaaatyt ggagatattt ttaaaatnnc tcaggctgtc ccagcagaga atncctgtga     240
ttatkcctga gaacaaaagg rgacaggcct cctcctgtgt gggagctgta catkcyctca     300
caggtktgtc tt                                                         312
```

<210> 115
<211> 279
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(279)
<223> n = A,T,C or G

35

<400> 115

```
ggaattccag ccctacatca agagagccgc agccaccaag cttgcttcag ctgaaaaact      60
catgtatttn nnmmctgacc agctgggact ggagcaagac tttgagcaga aacagatgcc     120
anahnggaag chgctggttg acrgtttnmt tctgggcatt gatgttagca ggggcatnna     180
hchggaacht cgatgatcag ctcaaatttg tctccaatct ctacaatnan cttgcaaaan     240
cnaaaannca tagtggtagt nctgactaag tgtgatgag                            279
```

<210> 116
<211> 380
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = A,T,C or G

<400> 116

```
ggtgacacta tagaatactc aagctatgca tcaagcttgg taccgagctc ggatccacta      60
gtaacggccg ccagtgtggt ggaattcggg taagcacact agcaaaaaaa anaaaaaaaa     120
aaaaaaaaay ncaaacaaaa gagtcttaga ggaagaatga agaaaacata caatactttc     180
aatttgaaga cagatgcaca atactttaac atatgccaaa gattaaaggg aaaagattac     240
aaaattatat cactgcaaat tttgttgctg tgacaaatta aaagcagttc ataccagaaa     300
cacacacagg tgcagaccgg tgagcacaca ggcaccatgc attgacagtg atgttgattc     360
tttaaagtaa tgagccntgg                                                 380
```

<210> 117
<211> 558
<212> DNA
<213> Murine

<400> 117

```
ggaattcgtc actgagtcct ctcttcatct acattgtcta ccagccacta tgaaagcctg      60
agcccgtact tgtcaactat ccaggaggat tatcccacct tgttacctca cctctaaaag     120
cagataacag cctgctgctt gtttttgtaa ataaagtact attcaaacag ccacacatac     180
tcaatttagc tattgtcggt gattgctcac agacaagaca agttgttgag acagacaagt     240
gtggtcacaa agcctaaaag tatttactat ttggcactat agaaaaaatg agaccgctgg     300
ctttatttag agaatgagaa gccgttcgct aacagggatg atgatgatga gtgtgaggaa     360
ggaataactt ccaacmgttg tgacagctta ttttatagaa aaccgtccca gcaaatttat     420
wgtcactgtc cattcattaa cvgctggtca tgttcatgtt cccagtagca ggtcatctgt     480
caataaactc ctgataccca gagctgttyc cagtyccact chaactttag cactactgtt     540
tacctaggcc ctcaccct                                                  558
```

<210> 118
<211> 364
<212> DNA
<213> Murine

<400> 118

```
ggaattccaa ttcagaaaaa aaattcagac tgaaatgact aatcccatat ctcataaccc      60
cttcaaccag taacaccccc ccccaaaacc cattgtcttc agtgtgtcag ctcactaatc     120
taatgatcag atcaatctat gaactccaca acaaaatagc tactgagcag cccttcctga ·     180
gaagtaaata ttctagattt tgggaaccag tgccgaagac agaatgctta ctgtctagaa     240
gtttcacttt ccttatgagg gggttgagaa ccaagatgac tattaatgtg tgatgtgatc     300
cmataaaagc tgtkgggaaa tcaggttttg aggaggggaa tagttgtgca aaaaaaaaaa     360
```

36

<210> 119
<211> 518
<212> DNA
<213> Murine

<400> 119
```
ggaattcgca gatttctttt ggacagtgat gggaagagtc tcatctgtaa agtgaaccta    60
tcaaagatca atagcaaagt cctgaagagt ggtcagctgg aggatacatg tctggtagag   120
ctctcactgg ccctggacct gcgcctacag gtcagcgtca gcagttggca tctgacggct   180
gtcactgtgg atgtgtggac actccatgct gagctgcatg aaggtctctt ccatagtcag   240
ctactgtgtc atgccccagg ccggatttcc aaatcagttt cttgttcaga tttgactgag   300
aactttgctg aaccaactct gcctgggcct atacctcctc cagcggctgc cagaccaagt   360
caaggtgaag atggagaaca cmagtgtgtg tgttgtctat gaacagtcaa aaacbgcact   420
tgacttkgac actgaagctg ctgcawtttc ctgtaccacc gtgatgagga ccaactgccg   480
cttcgaagcy tcacagcaaa ctatgatatb gcacacga                          518
```

<210> 120
<211> 518
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(518)
<223> n = A,T,C or G

<400> 120
```
ggaattccca gggtgcaatt ggtagtccag gacctgcagg tcccagagga ccagttggac    60
cacatggacc tcctggaaaa gatggaacaa gtgggcatcc aggtcctatt ggaccaccag   120
gtcctagagg aaacagaggt gaaagaggat ctgagggctc gccaggccac cctggacagc   180
caggaccccc tggacccct ggtgcccctg gtccctgctg tggtggtggt gctgctgcca   240
ttgctggagt tggaggtgaa aagtctggtg gcttttcacc ctattatgga gacgatccaa   300
tggatttcaa gatcaacact gaagagatta tgtcttcact caagtctgtt aatkgacaaa   360
tagagagtct tataagccct gatkgktctc gaaaaaaccc tkctcgggaa ctgcagagac   420
ctaaaawttc tbbcaccccg ndctctagag tggagaatac tggngtgatc ctaaccaagg   480
ctgtcgagat tggattgcta taaaagtatt ctgtgaca                          518
```

<210> 121
<211> 555
<212> DNA
<213> Murine

<400> 121
```
ggaattcctc tgtatagccc tggctgtcct ggagctcact ttgtagacca ggctggcctc    60
gaactcagaa atccgcctgc cactgcctcc caagtgcggg gactaaaggc gtgtgccacc   120
acgtccagcc ttgtttgtct atcagttcta cagcactcaa agataacctt ttgaaatcaa   180
tttgctattt gggtgacaca attcaatctt cattcagcaa ctgcaaacca attgagttct   240
tcatgccaac tcagaaatac atgattacta gcttttacaa gctgagcctc tctacagctg   300
ctggcaaaaa tggggcacag gggaggaggt gattttaaaa cctgccattc aaacttatct   360
agtctwamca gtagtcagag ggaaatatac ttgagaacag ggtaaaacca gctttggcca   420
cattaagttc atgttagtgt agaaaattta aaatcacmaa catcaaatct cagtctactg   480
tgcaaawtat aaagccgaat tttaccattt atactcagtt cttttggakt caatctcagc   540
aacatttact aataa                                                   555
```

<210> 122
<211> 270
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(270)
<223> n = A,T,C or G

<400> 122
```
ggaattcggc gccttggatc catttccatc tggttctkct gagacgcgtn tngctccctc      60
cccgcaacag ccaaaatggt gaagctgatc gagagcaagg aagcttttca ggnnnvhcct     120
ggncgcngcg ggagacaagc ttgtcgtggt ggacttctcn nctacgtggt gtggacctnn     180
cnaaatgatc aagcccttct tccatnccct ctgtgacaag tattccaatg tggtgttcct     240
tgaagtggat kgtgatgact gcbrggatgt                                     270
```

<210> 123
<211> 186
<212> DNA
<213> Murine

<400> 123
```
ggaattcgtg acttgtccag agtctcagcg ctgataaagg agaagctgaa agtcctcatc      60
tccagcagct tkgcctgctt cyagagtctg ggttcttgaa actgggaaag gaaatttcct     120
tctgaccaga agagtggaaa gggaatctgt ttgaactgga cagagtgggc agggtkggag     180
aggaga                                                               186
```

<210> 124
<211> 452
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(452)
<223> n = A,T,C or G

<400> 124
```
ggaatcgacg cccaggctcc acaggtcgca gcgcttgtcg tagatgctgg cctcttcact      60
gaaggcctcc accacctctg gnbccatgta ctcagctgac ccacacgggg tgagcagctc     120
tggtgtggag atgggggagc agtctccatt gagtttgata ccactgccaa ggtcgaagtc     180
gcagatcttc actggcgaga cctggttggg gtgctcacat aggatgttct ctggctttag     240
gtccctgtng gcgatgcctt tgttatgcag gaagtccagg gsactggcca cgtcctgtac     300
taccacbsbg gsctccagcn cgttaaagtg gcgccttcta tggatgtggc ttaggatgga     360
tccgccacgc atcttctcaa acaccaggta gaaacggtcc tcctcctcaa agadctcaat     420
cagttctaga acattccyat gtcccccsgc ac                                  452
```

<210> 125
<211> 279
<212> DNA
<213> Murine

<400> 125
```
ggaattccaa cgaacgcttt gccacactct gcacagacgt ggactctggg accgtgggtg      60
```

```
tgcagatgct ttctcatagc agagttatcc ctgaacatct ttgtgcagcc tttatgaggg      120
caagctaatt gttcttggag catcatcttc tttaattttt cttggcttca ttctggcaaa      180
ttctgccagt bbcttagggt ctgagaggtc aattggccag gtatccctyc caggdgggag      240
tttcttbcct gtcatatatt ccagaatwat caggaggtg                             279
```

        <210> 126
        <211> 236
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(236)
        <223> n = A,T,C or G

        <400> 126
```
ggaattcgaa cgyyggcagt aaagcagtcg ctgctggaca aggtctgacc cccaccactg       60
gcccacccbs ttctaccaca aggacttbnc ctctgaaggc cagtggctac aggtggtagc      120
aggtgggctg cyctcacccg tcctggnntc cccccctcca scctcccttc tcagtcccta      180
atybgcctct cccaccctcn ccccaabcat tbcttcatcc ataagtbggt cccttg          236
```

        <210> 127
        <211> 362
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(362)
        <223> n = A,T,C or G

        <400> 127
```
ggaattcaga acctggcgga cgaggagccc tgggcagttg gtatgggcag tacaggaacc       60
atttcgactg tctggtcacc aagtttaaga gcaatctaat gaagtggggg acactgtaag      120
ctaactgaag atgaatgtgt ggkggctttt wctcaacaac cattccccta gagtctaata      180
taaaagtaga tttacatttg tgggtaatct gaagctggtg atttctagtg cctttggtaa      240
taatcaataa cncagcagtt gcgtggcaga kkgatccmcg catggataaa tacaaatatt      300
aaattagcat aattttttaa ctttttgtac aaatatacat gctttttttnc ttttttctcat    360
ct                                                                     362
```

        <210> 128
        <211> 315
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(315)
        <223> n = A,T,C or G

        <400> 128
```
ggaattctttt ttttttttttt gttttgttttt gttttgttttt gttttgttttt tgctttaatc       60
ataatcagcc cagagcattt tttgttaaca atgcctctgt tttcatgaaa gttcataaca      120
tcagggtttt taaaaaaaat taactaaggt gcttttagag ttgaatctgt gagttaccgt      180
cagcacacta gtgggctaag agtgagcagg gtgtttttcag agaaacaakc kkcyccccca     240
```

                                    39

```
nnncacaact tatctttttaa acttagaagt aacctgttgt hccccagcct gcyctttgtc      300
acctgagtkc ccaga                                                        315


        <210> 129
        <211> 251
        <212> DNA
        <213> Murine


        <400> 129
ggaattcaat agatatttgc tagacttacc aattcaaawg ttttgttctt cctaggttgt        60
cagggaagta tcactactac ycttcagttc agaattgctg aagtaactga ttgtytgatg       120
atttgtgaac atgatcttaa ctatgtgact aaaatatcag atcattacaa tactkctcaa       180
ttgatggata catgttgaat atcagtgtat wctttgatgt ttttwattac ttkacycttt       240
ttttaaacct a                                                            251


        <210> 130
        <211> 338
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(338)
        <223> n = A,T,C or G


        <400> 130
gaattccgag cgggcgagcg ccgggagggg gccgggagca gggcagctcg ggagaccgga        60
cggtagcggc ggcggcggcg gcgggctcgg cgccctcttc tctgcaagcc atgtttgcca       120
aaggcaaagg ctcggcggtg ccctcggacg ggcaggctcg ggaaaagtta gctttatacg       180
tctacgaata tttactgcac gtaggagcac agaaatctgc acagaccttc ttatcagaga       240
ttcgatggga aaaaaacatc acactgggtg aaccncctgg gttcctgcac tcgtggtggt       300
gtgtattttg ggacctttac tgtgcagctc ctgaaagg                              338


        <210> 131
        <211> 94
        <212> DNA
        <213> Murine


        <400> 131
ggaattcaac agaatacaag aaatggaaga gagaatmtaa rgtgcagaag attccataga        60
gaacatcgac acaacagtca aagaaaatwc aaaa                                   94


        <210> 132
        <211> 323
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(323)
        <223> n = A,T,C or G


        <400> 132
gaattcgaaa aaggaaacgg aaaaattcta cttccgggtc agattttgac actaaaaadg        60
gaaaatcawc agaaacctct attatctcta aaagaaahn ccagaactwc tcagagtyhh       120
```

40

```
ctaactatga ctcagagtta gagagagaga taaaaaccat gagcagaatt kgggctgcca      180
gaaaaagtdt tccagagaaa aaagaagagg actcttctga agatgaaaaa cagggcaaaa      240
aagtagtgga taatggaggg catgagaggg cgaagacmac mcmagaaggg tcatctgctg      300
atgacactkg tgacactgaa ggc                                             323


        <210> 133
        <211> 402
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(402)
        <223> n = A,T,C or G


        <400> 133
gaattcatgt caaacaggta gtcataacac tcacacatgg tttttdcttt ctcccatgtt       60
tctccccaca cgtacacccc atgayncygg acaagaacyg cacaggagtc tkggtactca      120
ttcatggcat gagccatcct ttctttkaga tccttctctt caggagtgtt ctcaataath      180
ggtwccacta acatatcatc gtatctgtaa tagcctcctg aggtacattt ccttattcct      240
ttgatcatct cttgatgtgt aattttaaac tcctgtcctg gaaacagaag ggtagccatc      300
acagcagctt tagagtgggt atgaatcact gcgccagctc cctctcatgg tataagcatt      360
catgaaaaga ggagtgcact ggctttwtt cagcttctta ga                         402


        <210> 134
        <211> 203
        <212> DNA
        <213> Murine


        <400> 134
gaattcgtga tcatgaagcc tagtgcgctc attacacaag ggggggggak gkctcaggac       60
ctctccaccc cgggagtcat ttccctgtgt tgctgtggaa ctaatttgaa aagtaaagtc      120
caaggaaaca ctgctctgtt tctgagacat gaagaaatga aaacacaaga caaagcaaag      180
agcgtgcgca ttctctggcc cac                                             203


        <210> 135
        <211> 87
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(87)
        <223> n = A,T,C or G


        <400> 135
ggaattcgtg atcatgaagc ctagtdnnyt cattacacaa gggggggggga ggdtcaggnc       60
tctccacccc nnnagtcatt thcctgt                                          87


        <210> 136
        <211> 342
        <212> DNA
        <213> Murine


        <400> 136
```

41

```
ggaattcgga agctccgccc cggctaaggg ggccagcatc ctggggcctg cacccatcct      60
gtacaagata ctgcccagag ggttccttca aggcctgggc agttcaaaca gccacactgg     120
acagacaata aataatgcag ctgctctctg gacagcctcc tgtgacctat ctcgtttcga     180
gccactcgag tttcggccag cttgctttgt tcagaatgcc aagccccggc tgggtttctg     240
gccacgtggg tactatggtc ccactgaggg ccagtctgag cctgcctaam aaaggctaag     300
taaggkggct atcctgaaga gaawgcccta cttactttga aa                        342
```

        <210> 137
        <211> 341
        <212> DNA
        <213> Murine

        <400> 137
```
tgaattcggc caaacgactc ctgctggtct caaccccgta ctgccggggg caactagctt      60
ttaaacgcct ttctgggcgg tcagctacca agtgcctgaa gacctggtgt atgcagcgga     120
ggggcaagct gcctgggcca cttacgtggt aggtgcctac cacggggaca taggggctgg     180
agcggcagaa ttcgcttata ctggttggga gggtgggagt atccactgtg gctagttcac     240
accctgcttc ccctccccaa caagcacaag gggtgtgagc ctcaacccta aacaggcaag     300
trtatratcg ttttactctg ggcacacctg awtatggttt t                        341
```

        <210> 138
        <211> 350
        <212> DNA
        <213> Murine

        <400> 138
```
ggaattccga gcggccgctt tttttttttt tttttttttaa aatctcagta ttatttaatg    · 60
agaacgcccc accctgccat gtacagggtg ccccgcactc gctactcacc caccatgtta     120
aggaaaagca ccaggaagta cagagggtcc tcatggctgc tctccagagt tataatttaa     180
aggtatttct ccatggtaaa actacaatag ttacatacca aggcaatact acatgcttta     240
catagtccca tgaaaaagaa ttcaattgag tctaatccct gatgcaaggc acttcaaagc     300
acccgcgata aaatgcccat gtaaacagca gtgcagttgc accttbccaa                350
```

        <210> 139
        <211> 156
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(156)
        <223> n = A,T,C or G

        <400> 139
```
ggcgcggatt ctttatcact gataagttgg tggacatatt atgtttatca gtgataaagt      60
gtcaagcatg acaaagttgc agccgaatac agtgatccgt bcngccctgg acctgttgaa     120
cgaggtcggc gtagacggtc tgacgacacg caaact                              156
```

        <210> 140
        <211> 411
        <212> DNA
        <213> Murine

        <400> 140
```
ggaattccgc ttgacctgcc ttggggtatg ggtactgctt tgctttgggg tacagtgctc      60
```

```
cagtaaaccg aggtatgatc atgttaggca ccaacgagtc atttatcatc aggaaggcaa       120
gtctctctcc atcgggggac caccagtggg cgatatgaga atgcagaagt tcttctagaa       180
taaatgagtg ttattttaca tcaacttcat ataaccagtc agcaatccca ttaaaaataa       240
tgccttcctt tcctgaagat gttagtcgta aagaactgct cttgatatca ggttgatagt       300
agatattgtt ttcaaaaata taaatcagct gctgtccttg cacacccccag ggcgccatac      360
tgcaacactt gagttctcaa cttctggggg atthaacttc cacamyttcc c               411
```

<210> 141
<211> 557
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(557)
<223> n = A,T,C or G

<400> 141
```
ggaattcctc tctctctctc tctctctctt tttctctctc gctctctgcc tttctctgtc        60
tctactccct caactctctt ccccatgccc tgaataacct ctattctata ctacatgact       120
ggtccctcag ggggaagggg tgcctcagca tgggcccgca gaggtacccc cttccccaca       180
cctgatggca ccaaacatat tccttctctc cttctctccc tgctcatcgc ttgaggtagc       240
atggttctct ctgggaagct ctgggtgctg agtcagggct ctgctctggc cctcccctga       300
aactccatca gaatctacat ggccctggac tgtggcaatt tgcttcttgg accctaacaa       360
gactttaagt tyctygaagg gcaaggtttc ttcccactaa atccagcaca gggcaagaca       420
catagtaggt gttccacaag cacctaatga gtgctctggg ttgttgggat ttttttttgt       480
ttgtttgttt tggttttggg ktttgtttgt tggttagttt gtttagynsg ttttgcaaca       540
akgtctcaag tgacata                                                      557
```

<210> 142
<211> 231
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(231)
<223> n = A,T,C or G

<400> 142
```
ggaattcaat catatttatt ggatcaacaa atctcctagk nccttttacc acatacattt        60
acwcctacta cccaactatc cataaatcta agtatagcca ttccactatg agctggwghh       120
gtaattacag dcttccgaca caaactaaaa whytcacttn cccacttcct tccacaagga       180
actccaaatt tcamctaawt tccaaatact taattaatta ttgaaacaat t               231
```

<210> 143
<211> 529
<212> DNA
<213> Murine

<400> 143
```
ggaattccag acttgtgctt cttgatgtct gtttgatggg agctactgac aggcttaggg        60
ctcaaccaag tggcttgtat tctgaaaact tctacctggt tatgcatata attagtaaga       120
cacttagaat gagcctaatg tgagcctggt gggtggctgt cccgctgaga aaggcctttc       180
gcagtttaga ggcatctctg ttctctcctt tataggttgc ctacatagag aactgctgtc       240
```

43

```
ctttcatact gctctgttgt aaccgtttta tcttcagttt cattccttgt atcaagatct       300
taagcagcag cagttctcaa cctgtgggta gtacgcaacc cctttgggga ggttgaatga       360
ctctttccca ggggagcgta tattagatta tttacgttac gattcatagc agtagcaaga       420
tgaccwgtwa taaaatattt ttatggtggg ggggccacta catcargggg cgtacattaa       480
atggttgtaa cattwgcaag gttgagtact cgctccatct ttaaaacca                   529


        <210> 144
        <211> 148
        <212> DNA
        <213> Murine


        <400> 144
ggaattcctc cctttgtctg cagttttttcc ccttgacatt cattcattca ttcattcatt      60
cattcagtga agagcttcgt gtycagtatt ccagactccg atgaaahtyg aaaatcgaty       120
cttctctkkt ctaattattg tctaatca                                          148


        <210> 145
        <211> 425
        <212> DNA
        <213> Murine


        <400> 145
ggaattcgcg ggtctaaaag ttcccaacac ttggagggct gggtggggggc cgaagctagg      60
gctgtgggaa cgacaacttc tgggtgtatg atgttgatgg tgagcgtctg ctgcacacct       120
actgtgtgcc aagcacttgt gcgtgttcta catactaaac ctcgtgacca tggaachvgc       180
tcattttccc aatccgtcga ccgaggaagc agagactgga tggtttggcc agbbtagagg       240
gcagtgggga ttggtttggg ctgaggtctg catctttacc ttctgagttg cagatttcga       300
agaagtatac tctgatctga gcacggcagg agggcagagg aggccaagcg gcaggcatgg       360
gtgcacccta ctgccatctg ggccggcctg gagaccagga ggctctgaac gtacacacga       420
acgcg                                                                   425


        <210> 146
        <211> 399
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(399)
        <223> n = A,T,C or G


        <400> 146
ggtgacacta tagaatactc aagctatgca tcaagcttgg taccgagctc ggatccacta       60
gtaacggccg ccagtgtgct ggcgcggatt ctttatcact gataagttgg tggacatatt       120
atgtttatca gtgataaagt gtcaagcatg acaaagttgc agccgaatac agtgatccgt       180
gccgccctgg acctgttgaa cgaggtcggc gtagacggtc tgacgacacg caaactggcg       240
gaacggttgg vggttcagca gccggcnctt tactggcact tcaggaacaa gcgggcgctg       300
ctcgacgcac tggccgaagc catgctggcg gagaatcata cgcattcggt gccgagagcc       360
gacgacgact ggcgctcatt tctgatcggg aatncccgc                             399


        <210> 147
        <211> 345
        <212> DNA
        <213> Murine


                                    44
```

<400> 147

```
ggaatcttca cgttaccctg gaaagagagc tccagagctt gcatttaaac ttctgggcat      60
ctctgcttca atgcctttct aaccagtggc tctttttcgt gtgcggaaac ataaaccagt     120
gcacatccca catactgcca agaagtgaaa gggcttcata aggaagatgg gcaccaggga     180
ggaccctggg cttyctcctc ggacatgagc ttgccacctg kgtcatatgc tctgdaaggt     240
ttcttctgtg actgagacta gtaaacattt tattccctgc agagatgagc tgtctgkgca     300
tgggggggtga cttcagtaga caggagagcc gacatgatgg cttta                    345
```

<210> 148
<211> 67
<212> DNA
<213> Murine

<400> 148

```
gaattcttta aaatcactaa tcgacctghc ghcctcagmt tagaccacat agrcaacttg      60
attattg                                                               67
```

<210> 149
<211> 182
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(182)
<223> n = A,T,C or G

<400> 149

```
ggtgacacta tagaatactc aagctatgca tcaagcttgg taccgagctc gngatccact      60
agtaacggch gccagtgtvg tgngaatthn cgcatccacc aagatgngaa twhnacatnc     120
cttgtgaata tngaatgggn ntataccaan ggtnctcggn awtgrrsctc tttsctctta     180
gg                                                                    182
```

<210> 150
<211> 336
<212> DNA
<213> Murine

<400> 150

```
ggaattcgaa ggatgccctg ctgaatcagc tgtgagctcg gacggggca ggtggtgctg       60
ttgcaggcag ggacagaaat gctgggagga aggtgacaaa tagtgagctt aggcttccct     120
cggtcagtta cagctgcctt aaccctgagg cggagcaggg catgtgggtg gtgaacaagg     180
cagtggacca agcagagcgc tgccctgtga gaaagtgcag aggacagtac agtgacaagg     240
atccagaaca gggagcctga agtcttccac cgaaatggca tttggaggag tkkcttcaga     300
gaagcattta gaggaagcca gttggacaat tggcct                               336
```

<210> 151
<211> 108
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(108)
<223> n = A,T,C or G

<400> 151
ggaattcgaa gcttcttttt gcaagagatg gtcattaaag acagttacaw ctggtcacac   60
aatgcatagg nccactgacc acaaagtgtc cagahccaat taatatat   108

        <210> 152
        <211> 607
        <212> DNA
        <213> Murine

        <400> 152
ggaattcccg gctcgagcgg ccgctttttt tttttttttt aagacttaaa attgaattag   60
tatttgtaca gaaaggtgca ggtggaataa ctccctccgg cctaggatca aagttatgcg   120
gagaattctt gatggaccct tccctgccc ccagtggtgg cccgagttgt taagtgcgat   180
tggttagagt agattccagt cgggtcattg tggtggagga gtgggggcag tggcaggtaa   240
gggggctcag ttgctgcagc actggctccg gctggctggg ttgctctcct gcagatccac   300
acctctggtt cggcccggag ccccagccgc attctggggc tcattcttgg gaagcttctt   360
agctattgcc atgaaaattt cattcacgtt cattgcagtc ttggcagacg tctccatgaa   420
gagcaagctg ttgtcatctg cataggcttg tgcttcctga aactccacag ctctcttgct   480
ggccaggtct gctttgttcc ccgctagtgc aatgacgatg tttggggctg ggcctgcctc   540
tgtaactcct tcacccaatt cttagcccgt gcaaahgtat ctsbgttcgg tgatgtcata   600
gaccaca   607

        <210> 153
        <211> 520
        <212> DNA
        <213> Murine

        <400> 153
ggaattcttg ttttcctcct gagacacagc cttgaaagca gtctcctgcc tcagcctcct   60
gtgcagaaat tatagatgtg agccactgca cctggcttct aaaacttttg actatgtagg   120
gctctgtact gtcattcctt ctatattcat tgacaatgga ttcctggacc ccctaagata   180
tcaaaatcat tttctgaagt ggkataatat ttgtatatcc cctatacctg taacacccaa   240
tacaatatag atgtcatgta aacagttatt aagctgtctg tctagtttag ggtggaacga   300
caaggaaaaa aaggtatatt tagcacagat gtaattttw aaaaatgaaa tgttttcaat   360
ttgtgattcg ttgaagctgt agatgcaaaa ctcamgggac attaaaagtc aactatatat   420
cattgggtga ctgatcttct ggtccattta aactttgaat tccctataac acaactcaaa   480
gagaacayga tggagagcct aggtctgtat ccaatcaatc   520

        <210> 154
        <211> 78
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(78)
        <223> n = A,T,C or G

        <400> 154
gaattcttgt ttthhtcctg agacacagcc ttgaaancag tctcctdcht cadcctccyg   60
tncagaaatt atagatgt   78

        <210> 155
        <211> 345
        <212> DNA

46

<213> Murine

<220>
<221> misc_feature
<222> (1)...(345)
<223> n = A,T,C or G

<400> 155
ggaattctcc tgctctggct cacctgtcct gctcggggct ccagctgatc tgtgctgttc   60
ctggtagcgc tgctcacgtc gggcagcctc ctgcagctcc cgctctcgtc gctcctcctc   120
caaccgctgc cgctcctctt cggcacgccg cttctcctcc aggcggcggt tctcttcttc   180
cttctcagct ttggbccaga agttatcctt gccgactctc ttgatctcag atatggcatt   240
ggtcttctgg tacacagagc ccactggggc ctgcbgccta catcctggaa ggaggtgctt   300
tccttatgga agctgtwgtt ggccccagag gccttngcaa ccttc   345

<210> 156
<211> 342
<212> DNA
<213> Murine

<400> 156
gaattcctag gaaaactcta aatgaaagta aatgtctgcc actcactgcc ctcagctata   60
atccaaccag tgtactttct tctcatcctg cagaccagaa caagtcccaa agctctggca   120
atattaatac agcaagacaa gtaacctttt ttttttcaag tcttgaggat gaaccagaag   180
actttagttt aagataccaa gtcaaagttg cacgttaacc tggaccacag tcaggcccca   240
gahmvctggg agtgtggttc acacctgtaa ccagcactca cagaggacaa tgtgcctgct   300
gcaaacccaa gscagcttkc actgggagtc tgaccactga ag   342

<210> 157
<211> 369
<212> DNA
<213> Murine

<400> 157
ggaattcgct gagtctaaca aatgaggctt atagtttggt aggagttaat aaacttctta   60
gtaattatat attgactgtc tactatttat atgccaggtt actctgtgga gattattggc   120
aaatctagaa gtgaaattgc tgactgggtt tttaatatag taaggaaaat gacatataca   180
cataatagta ttaccaggca atcaaagata gatactaatt cagtgatact tagaatcagg   240
ggaggcattg cttttaatag gtgaggcaac tgggccttca gtgatgagta atgaggaaca   300
atatggratt ccgtgcagca gaaaagaagg tatmgacatg taggtkagga aaactgcmgc   360
agtgtttat   369

<210> 158
<211> 285
<212> DNA
<213> Murine

<400> 158
ggaattcccc ggctcgagcg gccgcttttt tttactattt ttattagata ttttctttat   60
atacatctca aatgctatcc cgaaagttcc ctataccctc cctctgccct gctcccctac   120
ccacccactc ctgcttcttg gccctggcat tcctctgtac tggagcatat aaagtttgca   180
ataccaaggg gcctctcttc ccagtgatgg ttgactaggc catcttctgc tacatatgta   240
gatagagact catatctaca tatgagtctc yggggtcyt cgtta   285

<210> 159

```
                    <211> 443
                    <212> DNA
                    <213> Murine

                    <220>
                    <221> misc_feature
                    <222> (1)...(443)
                    <223> n = A,T,C or G

                    <400> 159
          ggaattccat aagtactatt attttattaa aaatttaag ttgaggctct aattagacat      60
          cagcctgatt tctttgagtt ccacacacac acacacacac acacacacac acacacacac     120
          acacactgtc ttcagcagtg agaccttaca atcacttctt agaaaacaat tgataagtag     180
          ccttgccaat agccagtgtt attttgggat tccatgggat ttcatggagt caacattggt     240
          cagcaactca attagatgta agccattcct gggactgaaa ggtttccttg gagaggaaag     300
          atgtctagtt ggagtactgt ttcccttgtt gtttagtgac tccatttaga tttaatcata     360
          tatgtatata ttttaagaag tttcaactgt agtaggtttc catatggacc ccaaaanntc     420
          ttagtgctaa ctgtccctcc ctg                                             443

                    <210> 160
                    <211> 239
                    <212> DNA
                    <213> Murine

                    <400> 160
          ggaattccca actcccatct cgctgagggc tgtgccatgg gctcctgtaa ccttgctctg      60
          ctcttcaaca aagaggacca gtgggaggaa acttgtgggc ccagcattcc caggctaagg     120
          aactggggggg gagggccagt tggatgatcc ccagggtatt aaaacctcac tttggagaag     180
          aggcagagct gtgtttagaa agkcaggkca gatgtgggaa gagcattgca actbcaggg      239

                    <210> 161
                    <211> 346
                    <212> DNA
                    <213> Murine

                    <220>
                    <221> misc_feature
                    <222> (1)...(346)
                    <223> n = A,T,C or G

                    <400> 161
          ggcgktaggc gagcagcgcc tgcctgaagc tgcgggcatt cccgatcaga aatgagcgcc      60
          agtcgtcgtc ggctctcggc accgaatgcg tatgattctc cgccagcatg gcttcggcca     120
          gtgcgtcgag cagcgcccgc ttgttcctga agtgccagta aagcsccggc tgctgaaccc     180
          ccaaccgttc nnccagtttg cntgtcgtca daccgtctac nmcgacctcg ttcaacaggt     240
          ccagggbcng hahcggatya ctgtattngg ctgcaacttt gtcatgcttg aacactttat     300
          cactgataaa cataaatatg tycaccaact tatcagtgat aaagaa                    346

                    <210> 162
                    <211> 218
                    <212> DNA
                    <213> Murine

                    <400> 162
          ggaattcccg gctcgagcgg ccgcttttt tttttttttt tttttttttt tttttttttt        60
```

```
ttttttttttt tttttttttt cataattgat tattttatta agatagttgw ttaataactg    120
aaaaccagag gtaaagtaac aaattccaaa ggctttttaa aggcataawa tttwaaggct    180
attccaaatc ttcttgggat graagaaaaa tccctttc                           218


        <210> 163
        <211> 309
        <212> DNA
        <213> Murine


        <400> 163
ggaattcacc cggctcgagc sgccgctttt tttttttttt tttttccc tccttttttt     60
tttttttaaa ggaaaaccag tcaaatcatg aagccacata cgctagagaa gctgaatcca   120
ggtcccaaag gcgctgtcat aaaggagcaa gtgggacccg cacccctttt ttttatataa   180
tacaagtgcc ttagcatgtg tcgcagctgt caccactaca gtaagcyggt ttacagatgt   240
ttcccvavcg gaattccacc acactggcgg ccgctcgagc atgcatctag agggcccawt   300
tcgccctat                                                          309


        <210> 164
        <211> 425
        <212> DNA
        <213> Murine


        <400> 164
ggaattccat attccagcct ctaccaaaag tgctggatcc tgatttgtgc aatactaggg    60
actgaaccct gatctttgta taaactaggc aaactatcaa ctgataaagt gcactgggat   120
cttggaagtt ctgtacttgt gattctggac ttttggaagt cagagaattt taattaccca   180
gtgagtcgac tgctgctact caaaattttc attagtatct acgtggggggg gggggctta   240
gaaatgtaaa cmtggggagc tggagagatg gctcagtggt taagagcact gactgatctt   300
cccatgtggt ggctcacacc attttttwat gggatctgat gccctcttct ggtgctgtct   360
gaagacagcv tcagtgtaca tatataaata aaagaaatgt aaacatgcmg cttgggaagc   420
aagta                                                              425


        <210> 165
        <211> 358
        <212> DNA
        <213> Murine


        <400> 165
ggaattccgc gcgggcacgg agcaggacgg cgggacggcc ggccctcccg gccggagccc    60
gcgggcgcgg chgcggggcg gtggcccagg gcaggcgcct accccccccc cccccagca   120
gcatgtcatg gtttagtggc ctcctggttc ccaaagtgga tgaacggaaa acagcttggg   180
gggaacgcaa tggcagaag cgcccacgcc acgcgaatcg agccagtggc ttctgcvcac    240
ctcgctacat gagctgcctc aagaatgcgg agccacccag ccccactcct gcagctcaca   300
ctcggtgccc ctsgcaggat gaagccttca tcaggagggc gggcccgggc aggggtgt    358


        <210> 166
        <211> 376
        <212> DNA
        <213> Murine


        <400> 166
ggaattcgta caggttgaac agaattgaga atgccttgaa gacaatagag agtgccaccc    60
agcagacaga caaactgaag gagctttatg gacaagtgct gtaccgcctg gaacgctacg   120
atgagtgctt ggctgtgtac agagatcttg tccggaactc ccaggacgac tatgatgagg   180
agaggaaaac aaacctgtca gcggtcgttg ccgctcagag caactgggaa aaagtggttc   240
```

49

```
ctgagaactt gggtctccaa gaaggcacac acgagctctg ttacaacgct gcatgtgcac        300
tgatagggca aggccagctg acccaggcca tgaaaatyct gcaaaaactg aagatcttat        360
gtcgccgtca ttttca                                                        376


        <210> 167
        <211> 250
        <212> DNA
        <213> Murine


        <400> 167
ggaattcttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt         60
tttttttttt tttttttttt tttttttttt tttttttttc ccaaattgtt ttgatcctta        120
tagatttgga gggccaactg cattttttcat ttatactttk kgcagggtaa gtactttaaa       180
aaacaattaa ttgrcttaaa tccattaaca tttwtgtaag ggattatatg gtcagccatt        240
ccttggtata                                                               250


        <210> 168
        <211> 392
        <212> DNA
        <213> Murine


        <400> 168
ggaattcgga aaatgttagc atttaattaa cctccggtgt ggctttttaag ccaccagaac        60
acaggcacct ccaacaccct taatcttctc ctcagctctt ctgctgaaga atttggcctt        120
cacgatgaca ggttgcttag ggagctttcc cttgcccaga actttgtagt agcctgatcg        180
aacaacatca atgatgggag caactccagt cttgtttthtc mgcattgacc cgtgtctgch        240
cgctgaccaa tgtccacagt ttatccaggt tgactgttgg gcagaagctc tggttcctct        300
tcaagtggta atgccgcata ccaactttcc caaagtaacc tgggtgatat ttgtcaaagt        360
tgatcctcgt ggtgcatgcc tccagcattc cc                                      392


        <210> 169
        <211> 387
        <212> DNA
        <213> Murine


        <400> 169
ggaattcctg aaggctgagg ctgtgaagaa ggaccgcaga aagaagctga cccagtccaa         60
gtttgtgggg ggtgcagaga acactgccca ccccagagtc atccctgcac ctgagatgag        120
acaggaatcc gaacaaggcc cctgccgcag acacatggaa gcttccctcc aggagttcaa        180
agccagccca cgcatggtgc cccgtrctgt gtacctgccc aactgtgacc gcaaaggatt        240
ctacaagaga aagcagtgta arcccwcccg tgccgcaaac gtggcatctg ctggtgtgtg        300
gacaagtacg gaatgaagct gccgggcatg gagtacgtgg atggggactt tcagtgccac        360
rccttcgaca gcagtaacgt tgagtga                                            387
                                                                           o

        <210> 170
        <211> 226
        <212> DNA
        <213> Murine


        <400> 170
gaattccctg gagaagcctg gagctccaca tgcagagaaa tgatctgtcc ttgtgtctcg         60
ttctgattaa aaacaaaaac aatcaaataa aaaacaaaat kgaacaacaa ccttagtgta        120
tggcatgaga aatgtgaaaac actagagatg atcaggggga tcttcaaatg gaggcagaca        180
gccagtttct gaagagaatt gcagtagctc ggaaagccag tcaccg                       226
```

50

<210> 171
<211> 440
<212> DNA
<213> Murine

<400> 171
ggaattcgca gaggcaggca gatccctgtg cgtttgaggt cagcatggtc tacagaggga   60
gttccaggac agccagggct gtagaaaaac cctgtctgga aaaaccaaac accaccacag   120
aataaaacaa ggagaaacag acttgtttcc aaagtggctc ttctgaagcc cctgctctga   180
aagttcacgt gaccacagcc atgccccctc ttcatctgag tcactggctt aaggcaaggc   240
tgcgccgaga ccatgagacc gtgagaccag atggtggtgt gacatggagg gaaggcggag   300
gtctggctgc tgtgcagccc tagcsccagt ccaagagcac ctggtcttcc gagtcagcct   360
aggtcagtgg tagtcatcaa gctcacttct gagcagggaa agatccagag cgccaarccc   420
agccccgtcc cacagatcca   440

<210> 172
<211> 449
<212> DNA
<213> Murine

<400> 172
ggaattcgtt tgaattcctt caactacact cagagttcaa gtgcagacac actgtgtccc   60
aggctcccgg ttcctccaag ggatgacaag tgtgtgccaa tacctccgac acaagttttg   120
gcacaagttc cttgcactca atactctcac aaggcgagca cttcactgcg gactaagcta   180
taccacagcc ctgagaatgg aattttccca aggtttccat ttagagttgg atcaactgtc   240
ctctctctgt cgctgggatg acatgagaag cttacagggt ggcacaggtg ctgaactcag   300
tgctgatttg tggcgctctc cctccttctg cttccttttg taacctccgg acatgtgctg   360
gtccsctgcc cctcacagta gggtctgcac tgtaagtatt gtcttataga ggagaagact   420
gatcagggag aggttgagca agcagaaac   449

<210> 173
<211> 401
<212> DNA
<213> Murine

<400> 173
ggaattccag gttattattt tgttttttggt gttttgtttt gtatttttgg agataaggtc   60
tcactatgtg gccctggctg gcctggaatt tacagaggtc agcctgcctc tgcctcttaa   120
gtgctgcaat taaagtcctg gactatcact tcaggccctc tgaggtcagt tttaatcagc   180
ggaaatactt ttatcattct ggctttgctc ttcccagata cctacactct ttcttcactg   240
atactcaggs ctgaaccaac ttttatcatt ctggctttgc tcttccgaat tccaccacac   300
tggcggccgc tcgagcatgc atctagaggg cccaayccgc ccctatagtg agtcgtatya   360
caattcactt ktcgtcgttt tacaacgtcg tgactgggaa a   401

<210> 174
<211> 369
<212> DNA
<213> Murine

<400> 174
ggaattcccc ggctcgagcg ccgctttttt tttttttttt tttgaaagtt tcagatgttt   60
ttattcaaag gttctcaaaa gaaataaaac agaaaaagct aacaatctga tcaaatgtac   120
agttcaaaaa tgtcttttgg cgtttaacaa gtcctaggaa agaaaactac agagtcatct   180
tgaaccggta aataagtcac cactggcaag tatgtagcac tagtagaaca aaaataaaaa   240
attaactctc ttgatcatat agatatctct atgaaaatct ttttttcaa tctgtacaaa   300

```
aggtctttct tcataaatta atttttttta taatttaatg gctgtctacc ccggctcgag      360
cgccgctcg                                                               369


        <210> 175
        <211> 367
        <212> DNA
        <213> Murine

        <400> 175
ggaattcata attaatagca acaaacggcc gtctcgctgc ctgccgcagc cgcagggtgc       60
ttttgcagac ctgacgagca atttttgtga aatacgtagt acgaaggaag aaagcttggc      120
gggtcttcac tgcagacttg gggcttccgg tgttccggac cggcatgccc tgcaaggcct      180
gccgggacat gtggcttctt gcrcgcgggt cctctgcagt cgggctggga gacttctctt      240
cgtctgactg ggtaggcatt ttcagacctc catacttttc caatacagcc aacaggtcgc      300
vcagagtcta cactgcatgt taggtgggcc ccaggaatac cactgatgag actgtgtggc      360
gtasagc                                                                367


        <210> 176
        <211> 387
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(387)
        <223> n = A,T,C or G

        <400> 176
ggaattcaaa gaggtctgct agccggtaga catcaaggat attctcctca tctacccatg       60
acatgaggaa atcacagcag aagtggataa tttctggtat ctgaagttgg caggcagcaa      120
ccagggtctc ctgcacattg ctcaggctga gctctagttc agaagtgtat atgaagtgca      180
ggatttggca catggcattg taagacacac cgtggatcaa gacctcttcc wgctccawct      240
ccttcaatcc cccagcaaac attcctctga aataatcaca cgatgcagct agcagaatcc      300
gatgggcctc aatgtgcttc ccctcagtga ccaggccaag tacctgaatc ctcttactgg      360
ggaaathgga amaatttmnn tggcttt                                          387


        <210> 177
        <211> 514
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(514)
        <223> n = A,T,C or G

        <400> 177
gaattcgttt tgcctatttt catgtgtaaa ttcattcaag tgatacaaga gccctaaaaa       60
tcaacccttg attcatcaaa aaatatttat ttaaaaaaaa gagagagagg gcccaggcat      120
ggtagctcac acatgcttat aatcacacac ttgggagggt gagccaaaga actgccatga      180
atgtggagtg agcatggttt aaaattcaac cctgtctcca aaacaggaga gggaaggggg      240
tgggagattt gaaaattcat atacaggaga aattaacaga caatattatc agaaaaccaa      300
agtacactta aaactgcacc atcactctgg ttcatcaggc cagagtgaat gcttgtgact      360
acactgtcgt ccacctgctg aggatgtact tattctttac tacaataact tctaaagtat      420
nctcatagtt hacagcaakk ccaganccta ataattatct aatctagngt ttctcaacct      480
```

tngcgatcac aaataatcta tgtactaaga cact   514

<210> 178
<211> 99
<212> DNA
<213> Murine

<400> 178
gattctttat cactgataag ttggtggaca tattatgttt atcagtgcat aamgctgctc   60
aagccatgca caaagctgcg ccgcgcccga atvcvgtga   99

<210> 179
<211> 357
<212> DNA
<213> Murine

<400> 179
gaattcggca aagggaagac acctccagct cagcccagaa gcaaagctgc tgagggggac   60
gtggtaccag gtggggctca gcactcatcc tccccgagca gggcatacgg gtttcgggct   120
gttaggcagg acccaggatc tgaagttggg gtgtcctcat ctccaaatcc ctcttcatct   180
gcatcccggt cctcctctcc ttactccwca caggagctgc tcagttcctc ctcctcttcc   240
tcctmmtcat cacctgccgg ccccaccctg ccctgcgaca gaccagctct gcagtctctg   300
ggtgagactc ccaggtgcct ctctgttcgc ctgtaaccag gagggtagaa acatagg   357

<210> 180
<211> 554
<212> DNA
<213> Murine

<400> 180
ggaattcggg gagctatggg taggaagtgg tcccagagag gttttaggtg gaagaatcag   60
gaggagtcac aggtcaactt gcagaattac tgaagaatta ggaccccaaa ttttatgcca   120
attgatctat tcccctcttt ttatttctgg ggccggtttt ttccttttttt tttttaatcc 180
ctccttagct ttttatgcgc tcataatcaa ttgtacccat tccctacata acgggagcag   240
tgatcaggta atgaatgcat cgagccatca acaccagcta gagccatcaa caccggctac   300
cacaatgtcc tgctctccac aaccttgatt tttttttttt tatctctctc tatcgcttgg   360
cctgagttgg gagtggagtc tctgtggggt gcggccacdc acccacagag aaataaaagg   420
aattgagaag gtcgctacct ggcctgactw ctggggacag tgctggtccc cagaagttct   480
gaggagtgga ggvggcgtgv gcacgatgtc ccctcacggt gttaggaagg ygctcggagg   540
ccacaaaaga tggg   554

<210> 181
<211> 498
<212> DNA
<213> Murine

<400> 181
ggaattcctt aacactaata gaaataaatc cattaaaatc tttgaaagaa agaaaagaaa   60
aagagtgggc tgagactcct gctaacctct gacctacact gacctgactg ctatggccac   120
tacatattca gtaacaaact caaaaccttg aggaaccctg tgctttcagg cataccatga   180
caagctagca tgcccaaggc cctgtgcacc atctccaacg cagaaagata agagatacac   240
ttacatgttg gcaggatctt tagtattacc accaggtcag ccacattgtg tcctgtagtc   300
attgttccct ttttatatga tcctacctgt ccggacttct tcaatttgca ctttcaaatg   360
ttcctcgggg gccacaaatc aagttgtcaa tcacattgtt gatttttgt caccaaagaa   420
aggatggaag cctgctcagc agaaattatg gggcaaggtc ttgattcctc tttcagcaag   480

53

gcttcacctg aaaggagg   498

<210> 182
<211> 461
<212> DNA
<213> Murine

<400> 182
ggaattcttt aaatatgact atggccaggc agtggtggtg cacacctta tcccagccct   60
caggaggcag aggcaaggag gatctctgtg agtctgaggc catcttggtc tacagagtga   120
gcttcagaaa aggcaaggat acacagaaac cctgtcttga aaaaccatac ataaacatac   180
cctctggccc ctttcttctc atcacgaaga aataagggagg gtacataaat tgtttagatt   240
tagcttagaa gtttatttac atgtctacga gtgctctcct gtggagctca agagagggtg   300
tctgatcctc cggaagagtt acaagaaggc tgtgagctgc cacgtggctg caaggaacca   360
aatctacttg gtgttcttgg gaacaccagt aggtaaatct cttaattact mgagctatct   420
ctccaggctc ctagattctc aggaaaaaaa cctgactaat t   461

<210> 183
<211> 477
<212> DNA
<213> Murine

<400> 183
ggaattcgta ggggtggctc tgtccagtga gccaatcatt ccttaagacc cttctgaccc   60
ctcctgtacc atcgggactt aatcaccagt ctggggaggc attagggaag gggcaagggg   120
tgcagaggtt aaacctcagg agaggaactc aaaacccttc aatggggcta tgtgatacgg   180
agacttcctg ggatgtgtca ctgggtaatc aacttaaaag cttccttctg gttcttctca   240
caggctagcc tagaaggaaa gcttttgcta ggtkgaggtc tkggggaggt cttagtggtt   300
cctaatcccc tttctttgcc tttactgtct gtcatgcttg tacaccccctt thagagcccc   360
amcccccahc ccctkgcccc tgctctttgg tcttctctgt gggaacctaa cyttgagaaa   420
acttgtgtcc caaattggca tttgctcagg gatatctsaa tttatktctc ttccagt   477

<210> 184
<211> 420
<212> DNA
<213> Murine

<400> 184
ggaattcaaa ccggctcgcg cgccgctttt tttttttttt tttaatgctg ttgtttatct   60
tatatatgat aaagtaaatg tctttattcc tatgttgttg aaaactaccc agtaataatc   120
ctggagttca ctgtgtcaga ccttggagga gtgggcaaag agcagcagca caatagtgta   180
tgttgtgttt aggttggaag ttctaatagg caagtcagga attcttatat ctgtagctcc   240
tccagaagcc ccaggcacag gcggggctcg gtgtgagcat gtgcacacag cyccacccct   300
tcaccccacc cccdyhycag ccaggtgttt agtgcactga gatgtgaaga ctctgcttag   360
caaccagcag taagtcctgt ctcaatcgat gctaggtcgc tgtgagttaa gacagggact   420

<210> 185
<211> 301
<212> DNA
<213> Murine

<400> 185
ggaattcctg aggacatgac atccaaagac tactactttg actcctatgc ccactttggc   60
atccacgagg agatgctgaa ggatgaggtg cgcaccctca cataccgcaa ctccatgttt   120
cacaatcggc atctcttcaa agacaaggtg gtgctggatg tgggctcagg cactggcatc   180

54

```
ctctgcatgt ttgctgccaa ggcgggggcc cgcaaggtta ttggggattg agtgttccag       240
tatctccgat tatgctgtga agattgtcaa agccamcarg ttagaccatg ttggtgacca       300
t                                                                       301


        <210> 186
        <211> 458
        <212> DNA
        <213> Murine


        <400> 186
ggaattcgtt cagcagtcct ggagactgag ccctcaactg agggcatctg acattctctc        60
caagttgaag gtctgatgca aaaccaatat tttgtttggt gtgtgagtat atatccccac       120
actttggagg cccgcagaag taacctgtgt tggagaaact gactctggtt tttacttaag       180
aggaaaaggg ggagagaaac tagtgatgtg tttccctgat agactttata tcatataata       240
taaatcacac atggggaata ccaaaaggca aaaataagca agccactgtt acctaactca       300
gaaaattata ctcttcatcc attttaggga tgaaaacaat tgctgtcaat ttacaagcca       360
actttcaagg cagaatttag gttatccaat caggatttag aatatcgaac atcttcaata       420
tctaaattta tattatatvg tcacaaatat caggaccc                              458


        <210> 187
        <211> 502
        <212> DNA
        <213> Murine


        <400> 187
ggaattcgct ttttaaggaa tgctggtggt gcctgggtag ataattacat cacttgttcc        60
actgtgttga cactgttttc ctcatggatc tcctccattc ctagctttct ctgctatgca       120
ttttcttcac agcgcagctt gcggtccgtt gctgaaaatt ataagctctg catagtgttg       180
gctttactgt gatgacatgt ttcttctttt ttagctggcc cacacctttc tagggtccaa       240
ctacaggata gattacagac tttccattag tgtctatttc ttttactctg tgtagacttt       300
agaaagtcta atcaatccag agatgggcca attcagaatt gactataatt gaacacctgc       360
taaaagtatt tatgggagga ttgacacaca gcatgagtta tttgactttt gtaggatatt       420
taaaavtcat ttgcagttca tgtaacagtb gtggtcttaa aattcacata ataaagcagt       480
cctgttcaaa aaaaaaaatt tt                                               502


        <210> 188
        <211> 400
        <212> DNA
        <213> Murine


        <400> 188
ggaattccgc cctttgacac tgcaacagca tggtcatcta caagtgccaa gctgcattcg        60
tagctgtcct gagacctgag ctgtcatgtg acccttcaat ggcaggctgg acacactatg       120
aagggtaagg tccaaacttg gtccagccag taagaaactc acggaaaatc tagcttcaca       180
acaggagctc aaagaacctt acatactggg catttcacat caggcacatg tctggggaga       240
ggactggata ccagacctta taatcagcct aaacttgcta agaacaataa ttaggtccat       300
tttaaagagg ttctagccac tattcttgaa actgatttta ctaagtataa atcctcayyg       360
aaatctgttc taaaataggt tattgaaagc aactcctgtc                            400


        <210> 189
        <211> 463
        <212> DNA
        <213> Murine


        <400> 189
```

55

```
gaattccttt gcttgatcaa tatgtttatt gtctttatga aaaaatcttc atagaaaact          60
gctttagctt tcagcagccc tttcctgagc tctgaggaag cttgccttct tttgagcaac         120
ccgatctttc ttctgggcaa gagacatttt gggacgattc cacctcttct tcttcacttc         180
tctcttgggc ttcttctcat agactggatt ctctcggata gcagcatgag ctttcttata         240
catctcctcc atcatgtctg gagttacgtt gttcttgatg tactgagaga actgtttctt         300
atacgcatct tcatcttcct ccattaggta gcgcatgtag tctgccacat tctgacccat         360
gatgtgcttc cgatgtacct ctgcattgaa ctccttgcyt tcagagtcat aaccagggaa         420
tygtttggta ctatgaggga tagacaagct tccathcaca rgt                          463
```

        <210> 190
        <211> 188
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(188)
        <223> n = A,T,C or G

        <400> 190
```
ggaattccgg cttctgagca gatcagactc tcctcgttvn cgcastcrcd cvgctccttc          60
cagcaaccat gtctgacaaa cccgatatgg ctgagatcga gaaattcgat aagtcgaagt         120
tgaagaaaac agaaacgcaa gagaaaaatc ctcnrcmttc aaaagaaaca attgaacaag         180
agaagcaa                                                                  188
```

        <210> 191
        <211> 276
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(276)
        <223> n = A,T,C or G

        <400> 191
```
ggaattcctc tgacctcgct gtctcttctc tcctctcctc tgctctacct ctgtctcacc          60
tctgtcaagt tctatgaatg actgatagaa agctagtctg caaccattcg gcaggtagaa         120
atttcccctg ctctgcaggg agacataacc ctctgtttgg cgatggagaa tgaggagcag         180
agcagtgagc ccctggggag gctgtaatta agawccactc ctgnctgagc ctcgsgcaga         240
gcctcactcg sgattctccc tgtaactccc caacac                                  276
```

        <210> 192
        <211> 608
        <212> DNA
        <213> Murine

        <400> 192
```
ggaattcgga attcctttaa actacaagga ttttatttta ttagaatcta gcctgagcca          60
gaacctttta tggtcacagg aagagatagc aagtagattt actgacatca agaaggactg         120
cccagtggtg gagccagcat ttgaaactgg actatagagg accaactaca attgtgactg         180
catttgtgac tgaatgtcac aaaaactgct gagaggcttg tcatgtatat gagagacagg         240
gaaagagtca tagtcaagac tggaagcatg agcaggcaag aagtgatcct tagattctat         300
ccccatcagt tctttcacat cacatgtgtt tggcctctgt ataatacccca gctgtattga         360
ccaggacttc tctgtcctgc tttgctcttg aattttcata gtgagcctac cttttggtaa         420
```

56

```
tgactattta tgagatagtg ttctattctc aggttactac tgtggattga acccaacatt      480
acaaacacca gctcagcaam gaaaaataac caattactth gtctctgttg aacattgaaa      540
acacttccac tgaaagaatg gagtgattaa aaaaagatcc macmgatgac cmaagtaacc      600
acagatat                                                              608


        <210> 193
        <211> 278
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(278)
        <223> n = A,T,C or G


        <400> 193
ggaattcaca agatctacca cttacagagc aaagtaccca ccttttgtwc gaatgcwggc       60
cccagaagga cgaccctgaa tatacacgag aaaamctgga atracctacc cttacdgcag      120
aaccgttatt actaatgagt acatgaaaga agattttctg attaaaattg aaacctggca      180
caagccagac cttnacaccc aggagaatgt gcataangca kmggaggcct gasrgcatgg      240
aaacatgtgg aagctatata tatagacaat trctgatc                             278


        <210> 194
        <211> 488
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(488)
        <223> n = A,T,C or G


        <400> 194
gaattcgaga gagagagaga gagagagaga gagagagaga gagatctagt tgtcaattga       60
acaaggtgta tttgagcctg gaggcatgag cagggctggt tcctgcggac cctgtgagga      120
ctgtgggatg ggcatgggtg ttgtctatac tgtggttgag caccagtgcc cagcgccagg      180
ctgactgact agctgatacc tccttggtat ttgcagggta ctcttgagaa gttcaggcag      240
gtgaaagtct gtggcatcct cctcattggt cttctgccct caccatcccc catgtaacca      300
aagagactct gagcvcctat tttccctccc tactgagaat ccctctggac tccanntcac      360
tcagggtaaa agtccatcct ttccatgacc actgggtggg tcttyaccat ccacnctcat      420
cacctgtctg aattagttga cgctccctct gcwccagccg caatgggctc agcctttgca      480
cgtggtat                                                              488


        <210> 195
        <211> 523
        <212> DNA
        <213> Murine


        <400> 195
gaattccagc agttaagagc actgactgtt cttacagaga tcctgagttc aattcccagc       60
aactgcatag tgactcacaa tcatctgtaa taggatctga taccctctgc tggtgtgtct      120
gaagatagtt acagtgtacc catatgcata aaatgaataa ataaatcttt ttaaaatttt      180
tatttgctta attttatttg aatgtgtgtt ttacccactt gtatgtcttt gtatcacctg      240
cctgcctggt gactgaggag ctagaagag ggcttcagat tctctgggtc tagagctaca      300
gctggttgct agtggccatg tagatgctgg gaatcgagcc tgggttctct ctgaaagagc      360
```

57

```
aacagtgccc ttaaccactg agccactaga cataagcatt cagagaggat ttgttgttgt      420
tgttgttttg ctttgttgtt gtttgatttt tgtattytgc cacagtggct gcaaacattg      480
aatctgagtt ggaggtaatc cttttatttt acagaatmtc ast                        523


         <210> 196
         <211> 480
         <212> DNA
         <213> Murine


         <400> 196
ggaattcccc ccgccatgac tttcaaacct gttgactaca ctgtagtcct ccttggaata       60
gactttcatc actgcttggg tctcctcctc tgtacttgca atgcccatct ttaagtcctg      120
catagcagcc aaagtgtcaa gacaacccag gatatgcaag gctgcgtgag atcgggtggt      180
aagagccctt gatcctgttg gcagagcaag ttcaggactt agaatactac atctggactg      240
catgtctgtt gcagagggaa gtctggcatc agcaaccacg gcattgtaac accagagctc      300
tctggtgctt ggtcgaaacc tccaaagcac atcatataca ggatcaagac acacaccaaa      360
tycttgcagg tcttcttgtt cagagtcatt gaaagtttta caacttccat caactttatt      420
tatcagaaga catttaaatg gtggaggtyc tgatatggaa gcaggamcca rggcctatta      480


         <210> 197
         <211> 424
         <212> DNA
         <213> Murine


         <220>
         <221> misc_feature
         <222> (1)...(424)
         <223> n = A,T,C or G


         <400> 197
ggaattcgca acacctctta gggcaggtgg caatccaaca acaacaaggt cccggagtac       60
agaaccaggc tctgggtcct aagcctcagg gccttctgcc tcccagcaac caccagggcc      120
tcctggtcca gcagttgtcc ccccagcagt cccagggatc ccagggcctg cttggccctg      180
cccaggtgac agtgctgcag cagcagcagc agcaacagca gcactctgga gctctgggtc      240
ctcagggccc tcacagacag gtgcttatga ctcagtccag ggtgctgagc tcccctcagc      300
nggcacagca gggtcacagc cttatgggac accggctacn cncnncccag cagcagcagc      360
agcagcagca gcagcagcag caacagcaac agcvgcagca acaacaggca acaacaacaa      420
cagg                                                                   424


         <210> 198
         <211> 455
         <212> DNA
         <213> Murine


         <400> 198
ggaattcagc ttacataggg aattctaggg cagtgaggga gtttgtctca agaggaaaag       60
gttaagtgtc tgaggaatga ccctggaggt tgtcctttga cacctgtgca ggtgcacaca      120
cacacacaca cacacacaca cacacacaca cacaggagcc aggtatggta ggtagcacaa      180
gcttgtagtc acagctacat gggcaggtga gactggatga tttagagttt gaggctagcc      240
tggcctacat ggtaagttca aatccagcct tggttatcta gttgagttgt tatctcaaaa      300
caaaacaaac ttatccacct atgtgagaca atgtgagatt ttttctctgc tcaaagacaa      360
atgttttct caaaggtagc aacaggctga taggaacact cttcccagaa gagtdcacac      420
atgagchggt gcmctgggva tgctcagaag aggct                                 455


         <210> 199
```

58

<210> 410
<211> 410
<212> DNA
<213> Murine

<400> 199
```
ggaattcatc agaagctcat tttgttattc ttttttttct tttttttta  caaatcagta      60
aagcttaaag ccagagactt atagattggt tcaaatataa tcaacagtaa gatacagaca     120
acaagagata cagctaaagc cactaacagc aacagattca aagtaggaag atgggcaaag     180
gtcttatcag gaaaatgcta atgaaaagaa agctagatcg caatggtaac atcagataaa     240
ggggaaagca agccaagcta cattaaatag gggtaaggat ggcttcggtt agccttccaa     300
crcgtcacta taagtttgtt tctcacttwa ctgawctcat ctagctcctc cacaatctct     360
aaacagatca tcactrctca agarcmtgtt gtgtatatac ctcctgaaaa              410
```

<210> 200
<211> 452
<212> DNA
<213> Murine

<400> 200
```
ggaattccat ggttaaagca tatcaaataa atactaggca aggagtttcc tgggagagtt      60
agaaattaaa aaaatttacc aattttctgt ctctgtgata attcaatgcc agtaagagaa     120
aggtattgaa gggacaattt tcatactaaa aaaagaattt ccctagtcat gtcaccatct     180
cttataaaga atccagggaa tcccagaaat agaaaattag tttcaggggg acccctgagg     240
cactttaaag cctttaaaaa attacagtaa taataaatta gctattgctc ttcagaggct     300
cacggaacag ctaacacaac aggaccaggt ccagagttag gtccgtatct caggttctcg     360
agctgcccgg ccctctttaa agcttagacg aatttccaaa tacaagacat acaatttaac     420
acagactgag tgggdctttt tgtttagtgg gt                                 452
```

<210> 201
<211> 387
<212> DNA
<213> Murine

<400> 201
```
ggaattccat tctttcaaaa acaatgtatt atcacctgag aaataatcca catttagtta      60
acttttcagg gaacttctga actcatcata catactccac tacccaatgt cgacactcca     120
tttccacctc agccagttaa gtgtaaagta tgcaaaacct caatgagttg tttctaactg     180
acagactgca gagataaaag caatgacgac ggccttcaga tcttagcaaa aacaactgct     240
aaagtgacta tcaaggaaaa gaaccatttt agaagcagtt ttatgtacca aggtggttaa     300
aacttaaaat ttgacaggca gttggtggca cgtgccyttw atacccagca cctgggaggc     360
aaaggcmggc aggatttctg taggttc                                      387
```

<210> 202
<211> 278
<212> DNA
<213> Murine

<400> 202
```
ggaattcagg gagagcgcag acaggaaaac tgcagaaagc cacagggaaa gtacggtaca      60
gactcagatc tttttatttt caacttactt ctcgtttatt tccccaccac tcctctggct     120
cctgcctaac tgggtcgcgt tggggatgtt tggcatggcg ctcttagctt ttgttcgttt     180
taattccgcg cgcccccctth ctctcvggcg gattactagg tcccgaactc tgccactaca     240
accttaggag cagcaagcty cgccaactgg caccaccg                          278
```

<210> 203
```

59

```
<400> 203
gaattcattt tattttattt ttatttatta atagtaacaa aaatcagaag taacaaaaaa      60
cccagttaaa tggaatacag aagcacagca aatacaaatg caatttcaaa accactcggc     120
acagaaatct gttgaaacca ttttctgaag tttaactatt taggtcatag gactaaccaa     180
ggcattcgga gtgctcacat ggatttggtt gccgatggag gagcctgctt ccccaagact     240
gacagtagta cccaagagtc ctggtatatg tatgtgaaaa gacctccctg ggtcctggat     300
cttaagagac actgatgtta ataaaaccac caggaccaca taaaaccaca gaacaaaacc     360
ccagagcaag cccagagagc ttgccgtctt gttctatagg cttctagagg actctaggaa     420
ctgaagaaga tgtaatcctg cgtgttggtc ccatgcaaat ctcaacccaa gtctcccaaa     480
ccaggctact tagcagcttt tcatgaacgg ttcaaggatc acctgaatct atgggrgggt     540
cacctgaatc tatgggaggg tcacctgatc tattggtsch tcagagcaac a             591
```

```
<400> 204
gaattcgatt tattgaagca gtaacaagtt ggtcagatat ttactggaaa aaagcagttt      60
taatggtatt caaaaatact ttaaaaagta ttctagcaca agatttcttc gtaaactaga     120
ttattttgta aacctttтct acgtcttttg gggtgtcagt tgttaagtgc tgagcttctt     180
tctattccaa atctatcttg cgctcctgaa aaactgcagt aaaggcactt gaaagctgtt     240
ttcctaagat acgatttttt tttccttctt gctggtactg cactgttgca ccaagtgtgt     300
gcaattttta ttcaaggtca tcgtgatgct gagaagtctc attgatcacc tgtccatctc     360
tggtctcaac cgtcttaatc aggagtgttc tttttgagtg ggtgtcaacc agaggaagtg     420
actccaggtt agtttctctc aggttcaggg aagaaaaggt tggcagaggc agagaaatcc     480
tgctctcmnc gccttccagc agcttcctgt aaggnggcga ncgtcaatgt ccagggccad     540
cttaacattg agccagatct tggaattcac gmaggtga                            578
```

```
<400> 205
gaattccgac ttcaccatcc ctatcaaaat actgtcaact tctaaccaca atagtgactc      60
tgtgcttgtc tgtttagttc tgtgtgtaaa tgaaatgtgg aaatgaccct ccctgcccca     120
gctggctgcc ctcccctttc ctttgatctt gaccactcat ggaagcagga ccagtaaggg     180
accttcaatt taaaacaaaa caaaacaaaa aaacaataaa aaggctaatt aacaacaaaa     240
aaaaaaaaaa aaaaaaaaaa aaaaaagggg ccghgaattc caccacactg gcggccgctc     300
gagcatgcat ctagagggcc caattcgccc tatagtgagt cgtattacaa ttcactggcc     360
```

```
gtcgttttac aacgtcgtga ctgggaaaac cctggcgtta cccaacttaa tcgccttgca .    420
gcacatcccc ctthbgccag ctggcgtaat agcgaagatg gcccncaccg atctgccctt        480
cccaacagtt gccgtcatcg ctgaatggcg aatggrcgct sccctgtagc                   530
```

        <210> 206
        <211> 501
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(501)
        <223> n = A,T,C or G

        <400> 206
```
ggcggtaggc gagcagcgcc tgcctgaagc tgcgggcatt cccgatcaga aatgagcgcc         60
agtcgtcgtc ggctctcggc accgaatgcg tatgattctc cgccagcatg gcttcggcca        120
gtgcgtcgag cagcgcccgc ttgttcctga agtgccagta aagcgccggc tgctgaaccc        180
ccaaccgttc cgccagtttg cgtgtcgtca gaccgtctac gccgacctcg ttcaacaggt        240
ccagggcggc acggatcact gtattcggct gcaactttgt catgcttgac actttatcac        300
tgataaacat aatatgtcca ccaacttatc agtgataaag aatccgcgcc agcacactgg        360
cggccgctcg agcatgcatc tagagggccc aatncgccct atagtgagtc gtattacaat        420
tcactggccg tcgttttaca acgtcgtgac tgggaaaacc ctggcgttac ccaaccttaa        480
kcgccttgca gcacatcccc c                                                  501
```

        <210> 207
        <211> 561
        <212> DNA
        <213> Murine

        <400> 207
```
gaattccaat ctcagaataa aggatgacca ctggactctc aggatttgat gagggatatc         60
tgtgatctcc tttgaacaat aatggtttcg gtctgtcagc ggcagtcagc agaaggctct        120
ccagagtgtc tagatcacaa gtctgctttc catgcactga gagaaacgac ttgcaccctt        180
ctggtggagg ctcgtcaact gctatctgct ggaaggcttg aattgaggct gagtaggaac        240
ggagagagag acaaaacttc aacaaattct gctgcagagg ggacaggaag cgaaacgcag        300
cttccaatac ggcatcgtaa taggagtgat cagtatcgtg atgatctgat gatccaatgt        360
tttgagtggc ttctacaaaa ctccaaaatt tctcttgact gtcttctgct aagaactcac        420
tggcttccag cagcagtggg gcagaaaacc actttgtggt gagagaggtg staatggctt        480
ttgaattggc ttctgctaag gaaaacaggc acggtaaggc cagtgcaatc waggagatct        540
crtgtatgta acggagmcct g                                                  561
```

        <210> 208
        <211> 547
        <212> DNA
        <213> Murine

        <400> 208
```
gaattcgcct gggaatgtcc tggggaagaa gagcagagtg tttctgcccc ttggcccagg         60
cagtgcagac aggaagaatg catggggtaa gggtaggcca gtaactccac ttgcaaagga        120
tgtagcactc actggctagg atgcatgggg agagagttac tgctgccagc tttcctctgg        180
tacccgctat agactggcat ccagagatgg gtgcctggct tgaggcctga dacagtgatg        240
cccttctgct ggtggccaat gctcctgtta agctgcttac tgcaaggctc catcttctgc        300
atctgtgtcc tggctgtgct ccagctcctc ctcgctatgt gttagcagtc cctcctcatc        360
accatcatct cgagtttgga cttctccttg gggtgtgcct gcctcagaag ccgtgtcttc        420
```

```
ttggggcgct ggtagccggc tgctgctgct gcagctcccg ctgccgccgc cgctgccacc      480
accaacattg ctactgccgc ctccaccact gctgcctcct cctccacact gbgctsktca      540
cccttyt                                                                547


          <210> 209
          <211> 644
          <212> DNA
          <213> Murine


          <400> 209
ggaattcttt tttttatat gtaaaacgac aaaatatttt aattttccat gaccacaggc       60
tctcttcaag aaggctgtac ctgtatgacc accaggtgac agcatggata atgcttcagg      120
acaagtcaca attttgtact aacaatcagt tcaaccacag cttgaaatgt agtttgtccc      180
agctgcaaaa gccacaagac accaatcatg cgtcttaccc cagtacagac ttttataaaa      240
cacacatgta tgtaattagc acaataaacg cgcttattat gcactctaac atagagcaca      300
ggaatacacg ctatggagtg cagccctcat gtctccacag gcaagagcta gagggttaaa      360
caggagccca tggtgtgaca gcaggagctc ggagcgcacc actctgcacg tgacttaccc      420
tacactgaga actgtcaccc tgtccagtgg gtggcaggta cagtctcata aacagtgtta      480
tttcctagag cagagatgtc agtctggatg tgagtcgctg ttacctagaa ggsattacaa      540
gtcagctcca tagaaggtgg gcgtttggct ttggggtcga gtgtaacagt gtcccgcaga      600
cacttkcaca cccgcacccc tgtgccccag gggagtgcmc ttcc                       644


          <210> 210
          <211> 442
          <212> DNA
          <213> Murine


          <220>
          <221> misc_feature
          <222> (1)...(442)
          <223> n = A,T,C or G


          <400> 210
tggaattccc agtgtcacgg cactgctgct tacagggccc gccacctcga cagcggtcat       60
tcaggtacgg gtcttcttgg tcctcctcgt caggaatctt agctgggtcc tgaaggtctg      120
caccgttgcc ttggacaaag tctgaattct cccgggcctt cacacagcag gcacggaaca      180
ccagcccaca ctggtagctt atcatgacaa tgggttcaca ggtctggtct cgggccaggg      240
atgcctttcc cagcatgcaa cagtggcagc acctctttat gaagatggtc tcaaggctac      300
tgttgtagct gtggagcgag gcncagcttt cttggctcgc tkggccargg ttgatgcccg      360
tkgcacagtg gcagctcttt ccagtttggt tgtgacaaca tttkctcatk ggrccattct      420
gcacdccytt ggattctbga gg                                               442


          <210> 211
          <211> 496
          <212> DNA
          <213> Murine


          <220>
          <221> misc_feature
          <222> (1)...(496)
          <223> n = A,T,C or G


          <400> 211
ggaattcccg tccagctccc cgggcggtgt ggagaagcgc aagctcccgt tctccgagga       60
gtgctctgat gaggaggcaa aaggcgattg tctggagtct ccgaaagtaa ggaagggatc      120
```

                                      62

```
tttgagctgc ctggaggccg catagccagc gagccactgc gaatacacgt tctccgtgtt      180
aggcatcgcg gccggggggca ggtcaaactc cttctccagc ttgatgcgct tggagaaggg      240
gctcagcgag ctgggggctac ccagcagcag cttttttggac agaccccccg aagccgattc      300
gccggggggag cagccacgac cattaacagt gccatcgtct atgcggtctg actcaccggc      360
caccgagtct tyatcacaag tgttcccyaw ggscctcsgg ctctggccag gtggctacsc      420
ttatgctttt nncccaggac cttgtggaag gcctctctba agtgctgcat ggagctgagc      480
accatgccct gcatga                                                       496
```

        <210> 212
        <211> 430
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(430)
        <223> n = A,T,C or G

        <400> 212
```
ggaattcccg ttctcctgta taggaggcag ccatggcgcc cagccggaat ggcatgatac       60
tgaagcccca cttccacaag gattggcagc agcgagtgga cacttggttc aaccagccgg      120
cgcgcaagat ccgcaggcgc aaggcccggc tggcgaaagc gcgtcgcatc gcccctcgcc      180
ccgcgtccgg ccccatcagg cccatcgtga ggtgccctac agtgagatac cacaccaagg      240
tccgggctgg cagggggcttc agcctggagg agctcagggt ggctggcatc cacaagaaag      300
tggctcgcac catcggcatc tctgtggacc cgaggaggcg aaacaagttc acggagtcac      360
tgcaggccaa cgtgcagcgc ctkwaggagt wyckctccaa gctcatncct gttccccagg      420
aagccytytt                                                              430
```

        <210> 213
        <211> 383
        <212> DNA
        <213> Murine

        <400> 213
```
gaattcgctt gttctgtcat tttctttcct tggtaaactc tctggggatt ggtctgtwct       60
cagctgtgac tatagtcaca tcctggttcc cagcagaaat kgtgaaacaa cctgcwgcct      120
agcccacagt actacagttc tctgtttttgt ttctgtttct agcccgtctc gatactgaca      180
actggagttg aagctgcttg aagtaagtct gatgctttca tataagtgaa tttgtaggac      240
tattgctttt wrttttttaca acagaagtaa ttctgacata ttaagtggaa aatctaaata      300
agtatataga ttatataaca tgattttaat tacatkggat ccaactacat atgtgattag      360
ataatgtgta tatgtacata tgt                                               383
```

        <210> 214
        <211> 166
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(166)
        <223> n = A,T,C or G

        <400> 214
```
gaattcgaaa tccctatgct gdnmagagga aagccagcta agttttnwrc tgtgtttwrt       60
tctaaacgtg atggtgtytc tgaggccaaa aagtacaagg caagtttwnc aatatttctc      120
```

```
tgcaaagaag caaagagaga aataagaccm sccagcaatt gaattt                    166

        <210> 215
        <211> 231
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(231)
        <223> n = A,T,C or G

        <400> 215
gaattcctcc gattcattta ttaggacatg atctctgatg aatctttact tcccaattgc     60
taggcttact agcagcaagc acacctgcac gagstccaac atgggktctg gagatcctac    120
acaggctaac aatttdcnnn vcttctaaaa tggaattctc acaccaaacc acttacctct    180
tctttgrttt tctgbacaaa gtcaagtcaa cataggacag ggcgtcgctc t            231

        <210> 216
        <211> 294
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(294)
        <223> n = A,T,C or G

        <400> 216
ggaattcaag agaaggaaag agagaggggg agagaaadaa agaaagaaag aaagaaagaa     60
agaaagaaag aaagaaagaa aaagagagag agagagagag agagagagaa ataaagaaaa    120
rgctaaammt ddmwrvwrct taarmtctta tagaaccaca catcattttt gtttgactta    180
tatcccmtct bgcaatmtca aagtccagtc caacaagagt tccmgcttcg gacacacatt    240
tggtcaggat gatggtggtt artawctvnm tgtgntctgt ctagrwcmaa actc          294

        <210> 217
        <211> 506
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(506)
        <223> n = A,T,C or G

        <400> 217
ggaattcctc cagggtagtc tggaggtggt gataccatag gagaatccaa gtttacaatg     60
gatttcataa caatttctaa agcatttctt ccatactgtt taaaaaaaaa aaaaaaaaa    120
aagatgtttt aaccaggctc accatttggg taattttttt gaccaattaa atgctataaa    180
ttataattgt accaaatatt cagaaactat tatttataaa tattcaggac attaattacg    240
accgcctatt tgtgcctttt cagacagcag acattcaata tgttaatact tttttaattt    300
ttaataactc atcttgatgt tttcccaaaa ntnccaggag tattttccaa aaggaataaa    360
aaaaatgtat gtatagatca tgatatgtca aatcctgtct cacatgaaaa taccagaagg    420
caaagctaac aagagcaagc aagtagagtg gttagnnhca catcactaga gacacagaaa    480
tgtaccttgt tgtcaaagtt gaatct                                        506


                                    64
```

```
<210> 218
<211> 492
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 218
ggaattccag aggaagggag ctcagaagat ggaacgaagg ctgatgagaa gagctctgac      60
caaggggtgc agaaggtggg agatactgat ggcactggta atcttgatgg aaagaaagaa     120
gatgaagacc ctcaggatgg agggtccctt ncctcaacac tgtccaagtt gaaaaggatg     180
aaacgggaag aaggaacagg ggctacagag ccagaatatt accactacat cccccagca     240
cactgcaagg tcaaacctaa tttccccttc ttactcttta tgagagccag tgaacagatg     300
gaaggggatc atagtgcaca ctcaaagagt gccccgaga acagaaaaag cagctctccc       360
aagccgcaag ctgttagtaa gacagcagca agcccagggg cagaaagaac agtgagtgaa     420
gcttctgagc tgcaaaagga agccgctgtg gctggncctt cagagcctgg nggcaaatgc     480
atgaaacmaa ga                                                          492


<210> 219
<211> 458
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

<400> 219
ggaattctaa tcatatgtca gagaaatagt aacttcacca taagtgatag tgaaatgagg      60
aactgtgagc tataaagaag ttatgttaat gtgtgagatg tcttttcaaa aataaagttg     120
tactatggac aaatactatg tgaaacttat ttattgtaat tttttctagt atttataatt     180
attttataca actttttatgt gtttttgctt ttcacttgac aactaggcaa taatcttgca    240
actttcttcc aggtcactta gatatgttca gtacattacg ttcctctagc ttgtacaggc     300
aacatccaaa aactcttcga agcatttgtt cagatcttca gtattttcca ggtacaaaca     360
agtgtattat ttattttgra aaacatagtt atatttagta agacttgttg tnmscmgddg     420
gtggtaattg aagtacctta ttccytggta tattaagt                             458


<210> 220
<211> 319
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(319)
<223> n = A,T,C or G

<400> 220
ggaattcatt caaacactga aaaccaaatt ttataaacaa ccatcaaatc tatgcagttt      60
gcagattttc ctcccctcct tgaaataatt tcagaagcat acacagaggg gtccctacac     120
taagaaggca ccagggcccc agtttattcc agtttatggc cttttcctgt gtccgagggc     180
```

65

```
agccttatca gcaggcatag actggtcaaa ctagccccgg aaagmctgct ttatgaactt      240
caatgacgat yccatcctca aaaangccta atcaacyacc gtctccattc ttttccmaca      300
ctgactagtt aaacttatt                                                   319


        <210> 221
        <211> 221
        <212> DNA
        <213> Murine


        <400> 221
ggaattccag gctcgagcgg ccgtatacta ttatatwaat caaaacattt atcctactaa       60
aagtattgga gaaagaaatt cgtacatcta wggagctata gaactagtta ccgcaaggga      120
aagatgaaag actaattwaa agtaagaaca agcaaagatt aaaccttgta cttttgcata      180
awgracttaa cthagaaaac cttcttaact aaargaatta c                         221


        <210> 222
        <211> 285
        <212> DNA
        <213> Murine


        <400> 222
gaatthggca taaatcaaag ggggtgaaat taaagcaatc ctttctgtta tttctcacaa       60
gtggcagatc tgtattttgt ttatagaaga ctgtagatcc ttttaaatga cagacagaat      120
tcttaarrra ttttaaggca tggagaggta aatgacaggt ttgtacatgg agtaaataag      180
gtatcaaaag tagaaatatt aaattatggg agtggagaga gagagagaga gagagagaga      240
gagagagagg agagatcgac agagagaata caacgtttgg ttagt                     285


        <210> 223
        <211> 473
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(473)
        <223> n = A,T,C or G


        <400> 223
ggaattcgtg acctcactgc ttagttcctg gaaagcttgg gacagacagg ggccttggct       60
agactgtccc caacacccac tccctgccat gctcagtgtt gggcttgggt ttcaccactg      120
gggcagcaag gcaggccagc ggggcctctc tgggctctgg aaacaagctc tgccacatag      180
ctctgggcac agtccatccc ctggggcctg aaggaggtca ccgggaggtg atcttttttcc      240
acctctgatt gagcaagaca aggccactgg ggacaactga acagcacagc caaactttga      300
aacagagaga cagggccagg caaagtgccc accctgcccc cactcttyct gcgttcbabn      360
ccagtctccc tgggggagtc agtgacggga tctgggggat gttcctctcc agatctgttm      420
actggccttt tagaaatgcc tcctggggat tgtgaattag tagagcagtt tgt             473


        <210> 224
        <211> 342
        <212> DNA
        <213> Murine


        <400> 224
ggaattcata agaatgacca aataaaattt tgggagcaat aaatgtagga gaaaaatctt       60
tggtgggggg tttgggaaag cttaactttt taaaggataa tgtcttttta aaaagaacat      120
```

66

```
ctctggctct gactgttgaa aatacttaag atatacatac cagttttatt tgccttaaaa    180
tcaaacagag aagcaatgct ttaacagata aaaacagaag gtcaaactag ggctagagcc    240
tgttagggaa agragaaaag gctaacctag kggactcagt ggtgttaact gaagatagct    300
accacatgca agatgtwcac gggcagagag tttatcctga aa                       342
```

        <210> 225
        <211> 89
        <212> DNA
        <213> Murine

        <400> 225
```
gaattcgcgc gctgtsttcc cgctcgcgtc agggacctgc ccgactcagc ggccgccatg     60
gcatcagatg aaggcaagct tttkgtgggg                                       89
```

        <210> 226
        <211> 283
        <212> DNA
        <213> Murine

        <400> 226
```
ggaattctct ccattactta cttgtctctt cttagtgagt ggtaaccgwt gagtctctaa     60
gagstctggg gtcatctcag gagtgctatg ctcagcttat gcattatggc acccggcagg    120
ggtcattttg ggcatggtct gctccccaga tcagtgtgag caccagactg gtgatcatct    180
caggctccct ccctcttggg agccccatag cacctggtgg ttgtctcarg gtcttctgtc    240
ttggahtchm tyccacacag cctgtggtcc taggcaggat tcc                      283
```

        <210> 227
        <211> 259
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(259)
        <223> n = A,T,C or G

        <400> 227
```
ggaattcggg aatccttacc atcacacaaa acttacatca gtgctgtgaa atgtaacaga    .60
aaatctgggg atgcctgact ttkgttattt ccctggtatt ttattaagct tgagtatggt    120
taatatttat gctggcgttg cattaatctc aaaagattag cacctatatt ccatggattc    180
tctcghgctt tagtccaaat atttttaacc ngggcatggc agtacaccac ctttaahccc    240
agcacctgag ggaggcaga                                                 259
```

        <210> 228
        <211> 390
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(390)
        <223> n = A,T,C or G

        <400> 228
```
ggaattccca gactgaggaa gacccggaaa ctccggggcc acgtgagcca cggccacngc     60
```

```
cgcatcggta agcaccgcaa gcacccaggc ngccgcggga atgctggagg catgcaccac    120
cacaggatca actttgacaa atatcaccca ggttactttg ggaaagttgg tatgcngcat    180
taccacttga agaggaacca gagcttctgc ccaacagtca acctggataa actgtggaca    240
ttggtcagcg agcagacacg ggtcaatgcg gcaaaaaaca agactggngt nnmtcccatc    300
attgatgttg ttcgatcagg ctactacaaa gttctgggca aggraaavvt ccctaaagca    360
acctgtcatc gtgaagccaa attcttcagc                                    390


        <210> 229
        <211> 415
        <212> DNA
        <213> Murine


        <400> 229
ggaattcgga gaacttcact tcaatcagct tccgagggtt tagggatcga tgccagtacc     60
tgcaggtgcc cacaggcttt ggcaacacca ctccggcagt gtaaacagct tggaaaatgc    120
cctccaggtg gacccgccgg gtgatctctc ggatcaaaac tggagccacc ctcttagagc    180
gcagcttctt gtggacacac aggaagttga tctccaccat cttcttctct gtgtcataga    240
tgtggatgtt tgctgggatg gcactgatga acccaaccag tttccgactt gagaccactc    300
ggaccccaca gtgccactgt gggagccaac ctggtkgccb gagagcccac aagagaract    360
tctdgggraa tagtcgaatc ggaacatatk gtcatcatct tccacggtag tttct         415


        <210> 230
        <211> 273
        <212> DNA
        <213> Murine


        <400> 230
ggaattcttt tctattaacg atttcaatct tcatgaagac aaagggacaa taagagatgt     60
catgacccca cacttagggg taagcaattt ttgtkgcatt tgttattagc tgttcttgaa    120
ttagcttatt caaatttct tacaggagcc aaaaaggagg gagagacacc caatttgawt    180
attttaaaat ttaaacaaag aagtaaacaa accygttaaa akgtttcaca tagcacagtt    240
tggggaggga gaacaaatca ttttctgvcc ttc                                273


        <210> 231
        <211> 230
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(230)
        <223> n = A,T,C or G


        <400> 231
ggaattcccc ggctcgagcn ngccgctttt tttttttttt ttaaagcaaa atcttggaat     60
attcttccca tatcatatat tttattagac aatattatga tttttgtctg gtctttaata    120
cccaaaggga tggctgtcca ctaactcaaa accaccagkt ccttcactac ctacaacagt    180
ttagratcag ktttaaaacc cctttctcat caagrggcag gacaatttaa                230


        <210> 232
        <211> 359
        <212> DNA
        <213> Murine


        <400> 232
```

68

```
ggaattcttt tttttttttt ttttaaattc agacaaccaa gttcattgga agtgtatgta        60
aaatagaagg taaccttcct gcaggagaac caaggggctc tcctgtgagg tagtgccacg       120
ttatgaaaac tatgaaaact gaaaagtatc ctccctttg caaaggttct aagctgtgtt        180
acagatactt acaagaggtt taagatgtga gtgaacgtgt ccctattgtg ttctcattta       240
tagcctttc tatgaactgg tgatgtttg aagtatgagt ttatgaagtc tctttgtgaa        300
cctggacttt tatttctaaa gtttgaacyk gtgtgacact agagkttacc tgaatacaa       359
```

        <210> 233
        <211> 362
        <212> DNA
        <213> Murine

        <220>
        <221> misc_feature
        <222> (1)...(362)
        <223> n = A,T,C or G

        <400> 233
```
ggaattcccc gaattgtaaa taacttcata ttgggatctg cattaggtgg agggcttctc        60
tgcagttcta ttcttgcacc agactgttgg cttatgcttt ttatggtttc acctcctttt       120
tycaatgatc agtccagttt tcccagttgg cacaatgaaa ttaaactcct ggngtccacc       180
cggggggcccc atattccagt ttccttgacc tctacctcgt cctcgaccac caggtcccgg       240
tccaccagga ttgccagcct gaacacttcg tagaaggtct gtgattattt ctgcagcgtg       300
ctgacacctg tytggaggtc ctgtttatct gtgccatwcc tawtcaggtg ttgttccatc       360
at                                                                      362
```

        <210> 234
        <211> 217
        <212> DNA
        <213> Murine

        <400> 234
```
gcggttaggc gagcagcgcc tgcctgaagc tgcgggcatt cccgatcaga aatgagcgcc        60
agtcgtcgtc ggctctcggc accgaatgcg tatgattctc cgccagcatg gcttcggcca       120
gtgcgtcgag cmgcscccgc ttgttcctga agtgccagta aagcsccggc bgctgaaccc       180
ccaaccgttc vccagtttgc stgtsgtcag accgtct                                217
```

        <210> 235
        <211> 325
        <212> DNA
        <213> Murine

        <400> 235
```
gaatccgcgg ggaccagccc ggcagaatgg ctcccgcaaa gaagggtggc gagaagaaga        60
agggccgtct gccatcaacg aggtggtgac ccgagaatac accatcaaca ttcacaagcg       120
catccatgga gtgggcttca agaagcgtgc tcctcgggca ctcaaagaaa ttcggaagtt       180
tgccatgaag gaaatgggga caccagatgt rcgcattgac accaggctca ataaagccgt       240
ctgggccaag ggaataagga acgttccata tcgcatccga gtacvcttgt ccagaaaacy       300
gtaatgagga tgaggatccc caaac                                             325
```

        <210> 236
        <211> 521
        <212> DNA
        <213> Murine

69

<400> 236

```
ggaattcggc cctttttttt tttttttttt tttttttttt tttttttttt tttttttttt    60
tttttccatt ttagtggaca tctttattgt ttaatagatc atcaatttct gcagacttac   120
agctgggatt tcatcagatt gccatgctga gtcaagaaca gtgagtgacg aagctaacca   180
gaggctacat acgtcagaga gagagctcag cctttacagc tcacttcctt tctcaggcag   240
aatataaata gacgccctct acaatgcaca atggttttag tcactaagga atttaaatgg   300
gatcttgaag aacacagaca aatcctgatg cagtaaagac gagctgagat gctgtgcaac   360
tgtttaaggg ttcctggtgc cacatctcag ccactagctg aatcttgcgc taacaccaaa   420
tggagawgtg gaaaacacta ggttgactta ggagcacagg aaccaaaggc gggaagaaa   480
atactaaaca ttgctgagag catccacccc aggaaggact t                       521
```

<210> 237
<211> 301
<212> DNA
<213> Murine

<400> 237

```
gaattcgcta tgagaaggtg gcgagactgc agaaggtgga gacagaaatc caacgggtct    60
cagaggctta tgagaacttg gtgaagtcat cttccaaaag agaggctctg gagaaagcca   120
tgaggaacaa gctggagggc gagattagaa ggatgcatga cttcaacaga gatctgagag   180
accgtctaga gactgccaac aagcagctgg cagagaagga gtrcgaggrr tccgaggaca   240
ccaggaagac catctsgsag ctctttgcca aacataaaga aarccagcgg gagaaggaga   300
a                                                                    301
```

<210> 238
<211> 483
<212> DNA
<213> Murine

<400> 238

```
gaattcaaac accactacaa aagacactct atcaaaatca gagtaagaaa aatatgaaaa    60
ctttcttgct ttctgattat cttacgtgga accggaagga aaagctagtg agaggatatc   120
aagtcacttc taacaaccac agagttataa acctatctgg tgttgaaaat caacatgaaa   180
acgaaccagt cactttgact aaatataagg ctgttgtta catgccttaa ggaaccactg   240
ccatgttcaa catgtggcaa aaagacaggg catgtttgga attcatcttt aaaacatcct   300
gtctgaatgt accttactcc gaactaagtc acattttcta gaggtcccat gagaagaaag   360
twaaggatat cggtacatta ctctaacaaa aacttcagtt aagcattacc gtggctgttc   420
actgctaata actagagrgg catgttaagc tagggaagct aaggtcagca cgacgtctgt   480
aaa                                                                  483
```

<210> 239
<211> 469
<212> DNA
<213> Murine

<400> 239

```
gaattcaagg ttttggatac caaaaactac aagcagactt ccgtgtagat atgttgatga    60
agatcctgac tctctaggat tgtactttgt gcttcaacta ttcaaggcat agcatgaatg   120
gacgtccatc ttacaaaata acctgtgtga agatgaatga ttcggcctga agcagggaag   180
ttgatcagta ttgatttgtc tgctctcaca aagttctgaa cagcaatgat acgcccagtt   240
ttctgcctta agtggttgtt ttccttgtga gcattgtact gaactagatt aagaggacaa   300
aattaatgaa taaggtgttc chtgaacttc tgtacgcact gtctactcaa cattatccat   360
atgattctta cctgatccat gcatttattt atagttacta acaaatgtga aawtactgat   420
cctttgctct gaacttgaca tccagahcyc agatttctca tttattcac              469
```

70

<210> 240
<211> 200
<212> DNA
<213> Murine

<400> 240
gctggcgcgg attctttaht cactgataag ttggctggac aatattatgt ttatcagtga   60
taaagtgtca agcatgacaa agttgcagcc gaatacagtg atccgtgccg ccctggacct   120
gttgaacgag gtcggcgtag acggtctgac gacacgcaaa ctggcggaac ggttggggg   180
ttcagcagcc ggccgccttt   200

<210> 241
<211> 477
<212> DNA
<213> Murine

<400> 241
ggaattcggc aaacgctcaa ctactgagct acagtctgag ctcagtataa ttttaaagga   60
ttttaccaat gcttaaatgc tgttgcttga tgttactact tatcctggta tagatggtga   120
aaattttcag atatgtggat ttttatcatt aacatggaaa aagaaaatta gttttaaaaa   180
gttatggatg tgtctgtgta gcaggtgcat gcattgccta tggagthcag atgtgggtat   240
caaagtctct gtaagtggag ttacagattg ttgtgaactg tcatgagaat acttggaact   300
gacactgggc cctgggaaga gcaagcagta ctcttcactg ctgagccatt tctccagaca   360
gcaacatcct aaacmggtat tctggaatcc cacacccta gtcatatttt cagttaggct   420
aaaagattca ctcatacttt ctcctcttat acaggaatct gtgtatctct gtacaga   477

<210> 242
<211> 535
<212> DNA
<213> Murine

<400> 242
ggaattcatc ctttcaaatt ataatcattc tgatagaggt attttaatat acatgctttt   60
aaaaacaaaa caaaaaacta ctgtcagtat gaatactgag ccagactggc atatatagat   120
ttaacatctt gtcctactaa gattcttaac tgtataaaaa taatatggct tttagacata   180
taggatacta atttcaatga gacccttatc tctttattga acattatgtt agggacagta   240
aaagccatgc acttacctgc tacccattgg aaaataaaac gactgtcccc aacctaagta   300
agtatgaaaa ttaggctagc cttatttcat ctttaactac taaaagtaag tctatagaac   360
ttaaaattta agcactatta gttgtcatgg ctatatttta ttttccaaaa attaagttaa   420
aagtcattaa tgtcattgat tatatacatg tatgtttttc taataattaa aatacctttc   480
aaatccatgg aatgtctggc ttttaaatgt aatttgacct ttycgccytg atttt   535

<210> 243
<211> 364
<212> DNA
<213> Murine

<400> 243
ggaattcttc tggtcatggg caacattatc aactggtcgc tggctgcata cggactcatc   60
atgcgcccca atgactttgc ttcctacttg ctggcaattg gcatctgcaa cctgctgctt   120
tatttcgcct tctacatcat catgaagctc cggagcgcga gaggatcaag ctcatccctc   180
tgctctgcat cgtctgcacc tccgtggtct ggggcttcgc gctcttcttc ttcttccagg   240
gactgagcac gtggcagaaa accccgcag agtccaggga gcacaaccgc gactgcatty   300
ctyctcgact tctttgatga ccacgatatc tggcacttcc tgtcctccat tgccatgttt   360
gggt   364

<210> 244
<211> 600
<212> DNA
<213> Murine

<400> 244
```
ggaattccac acatgcactt actcatgcat gcatgcacaa acacattact actgatacag      60
atgtcagtat tcccagaaag agagttcaaa agatattatg actgtattcc acgtattcaa     120
aaatatcagt tgaataagac taaaattaag cttatagcaa aaaactacac atagtgtaac     180
aggaagaata caagaagttg acagcaggct atactatgtc acaggttggt gaccatggag     240
acagtgactg ctcagcagta ggaagtgtgc tgagtgaatc actgagacaa acttcttttt     300
aatgggcaga acatccgtga acttccttta accaaataat atatagttgg aaaagtcaaa     360
gaaaaaagaa tacctagaaa agtaatatct gaaaaatttc caaattttgt acaaaccatg     420
aatccatata ttcaagcaca agaatcaaag aaagaattac atttaagatt ctaaaagatg     480
attagaaaga gaaaattata aatagttatg tgttatttaa aaaaaaaaat ctatgacgac     540
taaggctggt ggtatatacc ttcactcctt gaactcagga agccbaggca ggtarggtgt     600
```

<210> 245
<211> 325
<212> DNA
<213> Murine

<400> 245
```
ggcgcggatt ctttatcact gataagttgg tggacatatt atgtttatca gtgataaagt      60
gtcaagcatg acaaagttgc agccgaatac agtgatccgt gcgccctgga cctgttgaac     120
gaggtcggcg tagacggtct gacgacacgc aaactggcgg aacggttggv ggttcagcag     180
ccggccttta ctggccttca ggaacaagcg gcctgctcga cgcactggcc gaagccatgc     240
tggcggagaa tcatacgcat tcvgtgccga gagccgacga cgactdgcgc tcatttctga     300
wcgggaatcc cgcacyttca ggcag                                           325
```

<210> 246
<211> 239
<212> DNA
<213> Murine

<400> 246
```
ggaattcgta agaacaagca aagattaaac cttgtacctt ttgcataatg aactaactag      60
aaaacttcta actaaaagaa ttacagctag aaamcccgaa rmcaaacdag ctacctaaaa     120
acaattttat gaatcaactc gtctatgtgg caaaatagtg agaagatttt taggtagagg     180
tgaaaarcct aacagcttgg tgatagctgg ttacccaacm tgaatttaar ttcaatttt      239
```

<210> 247
<211> 377
<212> DNA
<213> Murine

<400> 247
```
ggaattcgtc ttgtctggac aaaaatggtt ggtttaaaag gccaaagaaa gtgctggtag      60
aaatgagagt actaattagc ctccaaaaag agactgttct cattgtcttt gtacctcagc     120
catagcctgg tgcactggc acatggtcag tgtctcagaa aatgtttgtt gaatgaatgt     180
tgtttgtttg tttgtttgtt tgtttgaatt ctggaaatta tttgttgaac acaaagacac     240
ccagcaccta ctgggtgctc actgttgtga gagactaggg ctgghhvctg ggcagtaggg     300
acagcctcat tggctaatta aggattttt tgcaattccv ggcgatttac aaggcacttt     360
cttgtgagtt atgtagt                                                    377
```

72

<210> 248
<211> 452
<212> DNA
<213> Murine

<400> 248
```
ggaattcccc taatctccat taacgaaaat gacccagacc tcataaaccc aatcaaacbc      60
ctagcattcg gaagcatctt tgcaggattt gtcatctcat ataatattcc accaaccagc     120
attccagtcc tcacaatacc atgattttta aaaaccacag ccctaattat ttcagtatta     180
ggattcctaa tcgcactaga actaaacaac ctaaccataa aactatcaat aaataaagca     240
aatccatatt catccttctc aactttactg gggttttttcc catctattat tcaccgcatt    300
acacccataa aatctctcaa cctaagccta aaaacatccc taactctcct agacttgatc     360
tggttagaaa aaaccatccc aaaatcacct cawctcyttc acacaaacat waaccacttt     420
aacaaccaac caaaaaggct taattaaatt gt                                   452
```

<210> 249
<211> 499
<212> DNA
<213> Murine

<400> 249
```
ggaattcgaa aaaacaaaaa aattctgcat gctcagatgc acagactaag actgggtaac      60
ataagccatg caattgccaa cgtgctacca taatatatag tatagtgagt attgtcatca     120
catgacagta ttcagtgcaa tagttatgta agatttactg aattgtaaag aattggaatg     180
catataggat atatttgatc agtttttctta catttagcat atttatatta cccatcttat    240
ttgtgttatc tctaatgttt cattatggct cgagccttat aaattaatgt cactcacaaa     300
ttcttattag ggaaaatagc cgtatgctac ctgctaatac ttaccaaatt agtatcttac     360
ttcaaaagat gttttgctaa aatttttaata aggaaatagc atgctatatt ttctaatttt    420
aattatatgt gaacaagtca acataattta tatgartttta aatctccaga tacttcagaa    480
attggtgctt gtacacgtc                                                  499
```

<210> 250
<211> 399
<212> DNA
<213> Murine

<400> 250
```
ggaattcagc agagcacact cccaagtgca cagatttaac acagtagcga ctatttgcat      60
ttacaggact tttcaacaat ctgaaaaaag atcaactgtt gaagatctgt aggtatgtta     120
caaaaaccac tggagttctt gtacaacagt atgcgttctc agcaaaacca acaccaggag     180
atccgcatgg caactgagta accgatccac tcccgccaac ccaggggcag gtctccgtga     240
gctctaagct gtcttataca aaagttaagg caaagtcatt ttcaagttta aataaaattc     300
aagtctttaa atatttggat ggaaataatt tttttyccctt agaaaaaaaa aaagrraaaa    360
gaaaccaaaa caaccttcag tctcattaaa wagcatttt                            399
```

<210> 251
<211> 183
<212> DNA
<213> Murine

<400> 251
```
ggaattcgtt ttatcttaaa atcatatgtt taaggcagta agacactaaa ccaaaacaaa      60
aaacaaaaaa cagggacatt ttaacaactc aactcccatt gttctctgtg gcatttattc     120
agcaagcaca tggaaatagc aaamgagaat ctacaatagc tgtcccaaat gcaattacac     180
atg                                                                  183
```

73

```
<210> 252
<211> 396
<212> DNA
<213> Murine

<400> 252
gaattcgttt tatcttaaaa tcatatgttt aaggcagtaa gacactaaac caaaacaaaa      60
aacaaaaaac arrracattt taacaactca actcccattg ttctctgtgg catttattcc     120
agcragcaca ggaaatagca aagagaatct acaatgctgt cccaaagcaa ttacacrtgg     180
aaagwttacc aatgcagggc tgggstttga aagccaaagt gttagtgmag awacagagct     240
tgacacctag caagragara cgagtttgga gcsttggtgc tcaagtmttg aaagattgaa     300
mtmtttgaag tmgttcatta gtcatcaaag gtcactatgm aatagttgcr actttaggtg     360
taaatctgtg tggggagttt ttatagcctt tggcag                              396


<210> 253
<211> 407
<212> DNA
<213> Murine

<400> 253
ggaattcccc ccttttacca gtggatggac acagagaact tcgtgttgcc tgatgacgat      60
cgccgtggca tccagcaact ttatggaagc aagtcagggt cacccacaaa gatgccccct     120
caacccagaa ctacctctcg gccctctgtc ccagataagc ccaaaaaccc cgcctatggg     180
cccaacatct gtgacgggaa ctttgacacc gtggccatgc tccgaggaga gatgtttgtc     240
ttcaaggagc gatggttctg gcgggtgagg aataaccaag tgatggatgg atacccaatg     300
cccattggcc aattctggag gggcctcctg catccatcaa tactgcctac gaaaggaagv     360
mhcaaatttg tcttcttcaa aggagataas actgggtgtt tgacgaa                  407


<210> 254
<211> 354
<212> DNA
<213> Murine

<400> 254
ggaattcccg gctcgagcgg ccgctttttt tttttttttt ttttttttaa tcattaaggt      60
aattttatta atatagatat ctgcagatca agtgaatggt actaatgaat agttttggtg     120
acctcaccct ctcatgtata acactgaaga ttcttccact ccatgttcac tccagactct     180
cagtttttaaa gcaagcatca cagaatacca ggctcttaca gtgatcggga gcyagagctc     240
ttacacaaag ccatactcca cmhgctgaca gtttctttag taatacatat agtactatca     300
gataactcat tccaacaaca aaaaattahh cattatgtca accaattgcb ccat          354


<210> 255
<211> 575
<212> DNA
<213> Murine

<400> 255
ggaattcagc agagcacact cccaagtgca cagatttaac acagtagcga ctatttgcat      60
ttacaggact tttcaacaat ctgaaaaaag atcaactgtt gaagatctgt aggtatgtta     120
caaaaaccac tggagttctt gtacaacagt atgcgttctc agcaaaacca acaccaggag     180
atccgcatgg caactgagta accgatccac tcccgccaac ccaggggcag gtctccgtga     240
gctctaagct gtcttataca aaagttaagg caaagtcatt ttcaagttta aataaaattc     300
aagtctttaa atattggatg gaaataattt ttttccttag aaaaaaaaaa agaaaaaaga     360
aaccaaaaca accttcagtc tcattaaata gcattttgtg gaataagctg tatggttaca     420
tatagcagga aatagtttaa tgtctgctgc ttagaatact taaagaaaaa tcttaggcgt     480
```

```
tttaaaacaa aataatttat ctgtaacttt attatgaact tgctaacttg actgcactct      540
cgctcctcag aagtgccgct tctgacaatc tagga                                 575


        <210> 256
        <211> 588
        <212> DNA
        <213> Murine

        <400> 256
ggaattcccg gctcgagcgc cgcttttttt tttttttta aatgccatag cagtagtagt       60
tgggtctggt ggtggcacac acttttaatt ccagcgcttg aaaggcagag acaggaggat      120
ctcttgagtt taaggctagt ctggtctata ggcctgcaag gacttgaggg gaaataaaag      180
gtcactacaa gccatttctt attttaacca atagcattaa attgtgccta tagtgattct      240
tagttgagac attgttcaga atgacttcat tctgtatgct tttgcctatg tctgtgttgt      300
atgcattaaa tattttgagt gacaatcttt tagtaattat attttttcca cagaataata      360
aaatatagga atcttaagca gtgtatgtaa caatattttc cttgacgtag acagcacata      420
cttttaaaat acaacttagg caagcaaaca cttttgtact taataattta atgaatagaa      480
gttagttttg tttttagtct taagggtgaa aaggtaactc aggctttaaa gcaagacmgc      540
accaagtgcg agctgtgatg tsccagcagt gtaactcttc cccacccc                   588


        <210> 257
        <211> 205
        <212> DNA
        <213> Murine

        <400> 257
ggcgcggatt ctttatcact gataagttgg tggacatatt atgtttatca gtgataaagt       60
gtcaagcatg acaaagttgc agccgaatac agtgatccgt gcccctggac ctgttgaacg      120
aggtcggcgt agacggtctg acgacacgca aactggcgga acggttgggg gttcagcagc      180
cggcgcttta ctggccttca ggaac                                            205


        <210> 258
        <211> 249
        <212> DNA
        <213> Murine

        <400> 258
ggaattcgtc gagcggcgct tttttttttt tttttttttt ttttaacata agcaggcatg       60
gtggctcagg cctgtaatcc cagaatgtgg ggctgcaata gcatgtcact gtgactttvv      120
vcccatttca aaaatccact taaaccatcc ccaaaacgag tgtgagagag gattacagat      180
aactaagtaa aaaatgtcag tggtcaccgt tatctattcc tgggtcagaa gcggcatgtc      240
catgaaggc                                                              249


        <210> 259
        <211> 389
        <212> DNA
        <213> Murine

        <400> 259
ggaattccaa cggttgaaaa cttctggatt agagatttag agctgtgctt ctggcaactg       60
tgttcttcca tggtggactt ccagctaaac agcactgatt cttgtccctg tcatgtcaga      120
tactgcaggg tactcactca ccacagtaaa gtcatgcttt caaaaccact cacagctact      180
caaaggcaac ggcaaacaag ccccaaacat ctcatggcta tattaacctg gaattctgtc      240
acgtcaggag cattcttata gacaaaacaa tgtaaaactt aggatttaac aacacagtac      300
tggtgtcacg cccagaatct tacccatcat cccagaagag accagcacca agggtcagag      360
```

```
gatggaattt kccatacaag atgagggac                                         389

          <210> 260
          <211> 228
          <212> DNA
          <213> Murine

          <400> 260
ggaattcccg atgctgcttg gaagccttgg ctgaaacvct accacagcca gacctacggc        60
aacgggtcca aatgtgatct caacgggaag ccccgagaag ctgaagttcg gttcctgtgt       120
gacgagggtg cvggcatatc tggggactac attgaccgag tagatgaacc cgtctcctgc       180
cctacgtact gaccattcsc acgtcaagvc tctgccgcat cctctcct                    228

          <210> 261
          <211> 429
          <212> DNA
          <213> Murine

          <400> 261
ggaattcggc gcacaccttt aatcttagca cttggtaggc agaggcaggt agatttctaa        60
gtttgatgcc agcctgatct acagagtgag ttccaggaca gccagggcta cacagagaaa       120
ccctgtctca aaaaaacaaa acaaaaaaca aaacaaaaaa aagtatgggc aaaagagaag       180
aaaaatatcc cggaaagaac aatataaaga atgatgttcc ctttgactga ggggctttgc       240
atattacagg gataccggcc tgagacagct gcctcaagac agggacagcg agcctcctca       300
gagtccactt gttccaagtc ccagagtcac cccctatvyc tcgatattgt acctttaaca       360
cmkgttgtta aatggccagg catwtgacaa accagggaaa taagtctata atgaggaaga       420
aattgttcc                                                               429

          <210> 262
          <211> 493
          <212> DNA
          <213> Murine

          <400> 262
ggaattcctt ataattaatt agaggtaaaa ttacacatgc aaacctccat agaccggtgt        60
aaaatccctt aaacatttac ttaaaattta aggagagggt atcaagcaca ttaaaatagc       120
ttaagacacc ttgcctagcc acacccccac gggactcagc agtgataaat attaagcaat       180
aaacgaaagt ttgactaagt tatacctctt agggttggta aatttcgtgc cagccaccgc       240
ggtcatacga ttaacccaaa ctaattatct tcggcgtaaa acgtgtcaac tataaataaa       300
taaatagaat taaaatccaa cttatatgtg aaaattcatt gttaggacct aaacbcaata       360
acgaaagtaa ttctagtcat ttataatacc cgacagctaa gacccaaact gggattagat       420
accccactat gcttagccat aaacctaaat aattaaattt agcraaaact atttgccmga       480
gaactactag cca                                                          493

          <210> 263
          <211> 370
          <212> DNA
          <213> Murine

          <400> 263
ggaattcgga ccaacacgca ggattacatc ttcttcagtt cctagagtcc tctagaagcc        60
tatagaacaa gacggcaagc tctctgggct tgctctgggg ttttgttctg tgttttatgt       120
tgttcttgtt gttttattaa catcagtgtc tcttaagatc caggacccag ggaggtcttt       180
tcacatacat ataccaggac tcttgggtac tactgtcagt cttggggaag caggctcctc       240
catcggcaac caaatccatg tagcactccg aahccttggt tagtcctatg acctaaatag       300
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76

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ttaaacttca gaaaatggtt tcaacagatt tcystccgag tggttttgaa attgcatttg      360
tatttgctgt                                                             370


        <210> 264
        <211> 338
        <212> DNA
        <213> Murine


        <400> 264
ggaattcgtt tttggttttg ttttgttttg ttttgttttg ttgttttgtt tgagaaaggg       60
tttctctggc tgtcctggaa ctcactctgt agaccaggct ggccttgaac tcagaaatcc      120
gcctgcctyt cctcccaagt gctggaatta agcaccacca ctgcctggcc tccttttttc      180
ttctgaaggg ttttcccctc ccctttccct ccatcaccga ctgatctcta gcagcaattc      240
ttcttcccgt ttcttctgtt cctcttygga gaggatctca cccttctgaa gaaaggaggc      300
ctgcctctgc ctcccaagtg ctggaagaat tccaccac                              338


        <210> 265
        <211> 394
        <212> DNA
        <213> Murine


        <400> 265
ggaattcgaa gtctgaaggc attttagaca ggagactgag aagtactgaa gaatggccta       60
tacagagttt agagcactag csgtagcgta caagactgcg ttcrgttctc agcaccaaga      120
aataaaggtg tcagtsagag taggattatc aagctcttgc tcctgaccga gcacttgtcc      180
cgaccaacac cagtgcacaa cacgtagctg ctgagccttg tggctgarcc cttcckckcc      240
cccatcctct ccatcrctgg acttggtctg cttcttgaaa gcctggactt aagtcctaca      300
gatccttctc tgtgtcagct tctcttttgt cagagtgtcc tctgtgcttc tggctgcctc      360
cgttcccctc tcaatctcct ttctttcatg tttc                                  394


        <210> 266
        <211> 442
        <212> DNA
        <213> Murine


        <400> 266
ggaattccta tagacacatc atgacaagca tgcccacagg gtactaagct tttcggctta       60
taaaaactag tgcctataac tgtgttgcct ggtccttagc agtcttctac atttgttaat      120
taagttaatg gaagggattt gcacccagct caacctccaa atgaaataat tttgttcaca      180
tatcttagca gcttctagca atcgagtcat aggagttgat tacagagcaa gcgctgtgtc      240
ttcatctctg tgcttctgcc cttaggtcca aaagaagagg atgagcggcc ttwggcttct      300
gcgcctgadc agccagccct tcwtmcagag gtggtaacca ggatgcagtt yccacaggtg      360
ggccatccct cttccagcct gcgagtcaca gccaggkgca gatgggawac aagaagtcac      420
agactgtgag gtcaacaata tg                                               442


        <210> 267
        <211> 341
        <212> DNA
        <213> Murine


        <400> 267
ggaattccaa tgattttgca attacaacaa tcagtcttcc aattttrrcc gatgaaggga       60
ggaaactttg gaggcaggar ctctggacct tatggtggtg gaggccagta ctttctaaac      120
cacggaacca aggtggctat arcrgttcca gcagcagcag tagctatggc agtgcaggag      180
ttctaattac atacagccag gtaagtcctc ctttgtgtgt gtttdctaaa tgttataatt      240


                                   77
```

gaacccagta acccaaatgt agctgagcag tacaacatag ttaacattat aatttcagta   300
aaatggtgga tgttaagtta atatgcagtt ccgccaaatt t   341

        <210> 268
        <211> 376
        <212> DNA
        <213> Murine

        <400> 268
ggaattcctg agccagagcc agaagacctc aacactgtct cagaagatgg agacgccagc   60
ttagaagatc tggaccctga agcagacgaa gctccacgat ccatcttggg gaagccagac   120
ttggattccc aagatctgga tcccatgtct tcgagtttcg acctcgatcc tgatcctgac   180
gtgattggcc cggtgccact agttctcgac ccaagcaatg acaccccag ccctgctgct   240
ccagatagtg gattcccttc cttctgggcc tcactgccac ccccgaaaat cttgggccac   300
cagtccagcg gtgcttcctg cccctgccag tccacctcgt ccgttctctt gtgctgattg   360
tgggcgagcc ttccgt   376

        <210> 269
        <211> 322
        <212> DNA
        <213> Murine

        <400> 269
ggaattcccg gtcataggct gggaggaagc aacagcgaag gtcaggaaca gaggcaaaac   60
actttccacg aattcccctt tcatctgcac agcaacagtc tactagcatg gaagtcgagg   120
ctaggtgcat tctggtccat ctacagtccg gttacctagt tactccctct ccccgccaca   180
cacacacaca cagctgagat gccggcaggt aactgtttcc taagacatat gggtgtcatt   240
tgtgcacctc aggcttgtcc aggaacaccc tatgtvgggc tagacacatg gggcactcac   300
actagcaaag ggcctgtgat tt   322

        <210> 270
        <211> 387
        <212> DNA
        <213> Murine

        <400> 270
ggaattcgaa ggacttgcca cattcttcac acttgtaggg cttccctcct aaatgaatta   60
tctgatgatt ttgaaatact tctttcccca caaagatgtt gccacattct ttgcacgtat   120
agcattttcc ccctggtgag taagagttga gaaatgatga aaacactgcc aaaatctgta   180
tatctatact gatagttttt taaaaacaac atttactcct atttgcattg gtctgtatta   240
atgagatgct atattcaatt ttctgtacct gtattcagtg aactacaatt taaaacacag   300
gataagtgaa agtcacgtag actcccttga acaaagaaga caatggcmac atagaacaag   360
ggagggrata gaatattaaa taaaatc   387

        <210> 271
        <211> 103
        <212> DNA
        <213> Murine

        <400> 271
ggaattcccg gcacaatgga aaaggagata gaaagcrcrc acctctgggg aagaagcata   60
acctcttaaa acagactaaa tvgcagggcc achctgtgaa gat   103

        <210> 272
        <211> 527

78

<212> DNA
<213> Murine

<400> 272
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ggaattccaa cttgtattta aaattcagtg agcattgact gtgtgccttc tgtatacagt        60
taagaccagt tttggtgtgg ctgccatgac accagagggg gttggtggca ttggtggggt       120
gggtgcttag taatgaggtc agagcgactg ataaggcaaa agtaaaagaa gcaaaactaa       180
gtatagagaa ggggtaggca ttcaaacccc agaggacctt gatttaagtc cccatttata       240
gagagtacca tcttgagaga ccttgcaaag ggctttgtgc tgcgttcaaa tgttattgtt       300
tctcttgtac actggatgcc ctcagcatcc cgttaacttg ccaatcatgt ctctcagcta       360
tgctcatctc agcccgtgga tagatagcct accagctttc ttctgtctgg aacttgccta       420
ctgagstgga ccagtcatac catcccagtt cccactgact actacttgcc tctgcagtca       480
cccatggtag tacttagcac agatctatct ttgtaatgtg tttttaa                     527
```

<210> 273
<211> 325
<212> DNA
<213> Murine

<400> 273
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ggcgcggatt ctttatcact gataagttgg tggacatatt atgtttatca gtgataaagt        60
gtcaagcatg acaaagttgc agccgaatac agtgatccgt gcgccctgga cctgttgaac       120
gaggtcggcg tagacggtct gacgacacgc aaactggcgg aacggttggg gttcagcagc       180
cggcctttac tggcacttca ggaacaagcg ggcgctgctc gacgcactgg ccgaagccat       240
gctggcggag aatcatacgc attcgtbccg agagccgacg acgactgggc tcatttctga       300
tcgggaatcc cgcagcttca ggcag                                             325
```

<210> 274
<211> 431
<212> DNA
<213> Murine

<400> 274
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gaattccccg gctcgagcgg ccgctttttt tttttttttt tttttcaaat taatatacat        60
tattttatta caaatttaaa aaaaaacaaa aaaatgcaac atcctaaaaa aaatttttac       120
tggtaataca aattcctatg aagttttttt ttttgctagc ataagaaatt aaagaaacca       180
ttaaatattt agaaacattc aacatcaaaa gctttaaatc taactgtagt tgtagcccct       240
gaaaaagcta caaactcttc ttaaaaagta ttttctctac aaagaatctc atcagctata       300
caaaaatctg tacagttttt atactgavgc taatgttgag ctgcacttga atttcacatt       360
cttagcaaaa taattgcctg agcaaatata ctccacactt taggacagcc acttattctt       420
catcctcctc t                                                            431
```

<210> 275
<211> 419
<212> DNA
<213> Murine

<400> 275
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ggaattcccg gctcgagcgc cgcttttttt tttkgggggg cttactccag cgatgtctat        60
tagcagagac atgggccagg gaagggtgat ggatacagcc aggggtggga tatcagcctc       120
aaagtgcaga gctttgctct gaatctcagc aggcagccaa agggactgag acaaagctct       180
tcctttcaag ttggcatggc aatcaacttg gaaatcaggt tccccgggcc ttccttccta       240
acaaaggatc cagcctcctc caactgggtc tccactcagc ccctgtagaa aagtbctgac       300
agtattaagt tctactcttc cctaagaccc caggaggtcc tcaccgtgca tagatgtgcc       360
atctgttctt gagaaaccaa agcactttgt agtcttacaa cccataatac ttacagtat        419
```

<210> 276
<211> 360
<212> DNA
<213> Murine

<400> 276
ggaattcgct tgacaacctg caggcaggct ctgggaggcc gagacatcgg cgaagagaac   60
agagagtcgg cggggacaga tctcaagacc agagaatggc aggtgaacag aaaccctcaa   120
gtaacctctt ggagcagttc attttattag ccaaaggtac cagtggctca gccctcacca   180
ctctcataag ccaggtgcta gaggctcctg gagtttatgt ttttggagaa ctgctggagt   240
tggccaatgt tcaggagctt gcagaaggag ctaatgcgcg tatttgcagt hctgaacctg   300
tttgcctatg gtacatrccc ggattacata gccaacragg agagcctgcc agaactgagt   360

<210> 277
<211> 337
<212> DNA
<213> Murine

<400> 277
gcgktaggcg agcagcgcct gcctgaagct gcgggcattc ccgatcagaa atgagcgcca   60
gtcgtcgtcg gctctcggca ccgaatgcgt atgattctcc gccagcatgg cttyggccag   120
tgcgtcgagc agcgcccgct tgttcctgaa gtgccagtaa agcsccggct gctgaacccc   180
caaccgttcg ccagtttgcg tgthgtcaga ccgtctaccc gacctcgttc aacaggtcca   240
gggcgyacgg atcactgtat tggctgcaac tttgtcatgc ttgacacttt atcactgata   300
aacataatat gtccaccaac ttatcagtga taaagaa   337

<210> 278
<211> 334
<212> DNA
<213> Murine

<400> 278
gcggtaggcg agcagcgcct gcctgaagct gcgggcattc ccgatcagaa atgagcgcca   60
gtcgtcgtcg gctctcggca ccgaatgcgt atgattctcc gccagcatgg cttcggccag   120
tgcgtcgagc wgcgcccgct tgttcctgaa gtgccagtaa agckccggct gctgaacccc   180
caaccgttck ccagtttgct gtygtcagac cgtctccgac ctcgttcaac aggtccaggk   240
cgcacvgatc actgtattcg gchgcaactt tgtcatgctt gacwchttat .cactgataaa   300
cataatatgt ccaccaactt atcagtgata aaga   334

<210> 279
<211> 419
<212> DNA
<213> Murine

<400> 279
ggaattcccc ggctcgagcg gccgcttttt tttttttttt tttaatttaa ataaataccc   60
cgctcctccc tccacccgct tacgttctcc ctcttccccg aacatcccac ccatccctgg   120
ctagaccctt accccagaac taaataaaat gcctgtttta cagcagacca cactcactac   180
caaattctgg gaaaactata aatactgtca ctgtctgggc ctctctgcct tctgactctg   240
ctccggaggc agccacattc cctccctccc gttgactggg caaggatggc agaggcctgt   300
aggcactggc cttbgagagt gcaaatttag ccttgggttc tccacctcct gctcaggagt   360
aggtcagaag ggccccagaa attccctcag actaaaataa atagcaaaat aaataccct   419

<210> 280
<211> 141

<212> DNA
<213> Murine

<400> 280
ggaattcgca ggtcgccggc gagccgcgtc cggagcccgg cgccgagcvg gcctggggag   60
gcggaggcca caccccgcbc vcgcccaggc bcttcccgcc ggtgaatcat ccccgcagca   120
gcsgctcccg cagtccgctg c   141

<210> 281
<211> 150
<212> DNA
<213> Murine

<400> 281
ggcggattct ttatcactga taagttggtg gacatattat gtttatcagt gataaagtgt   60
caagcatgac aaagttgcvg ccgaatacvg tgatccsmsc gccctggacc tgttgaacga   120
ggtcggcgta gacggtctga cgacacgcaa   150

<210> 282
<211> 265
<212> DNA
<213> Murine

<400> 282
gaatactttt atttagattt tattcataaa ttaagttgag agcvmttatt tgtaasghvg   60
ctctatttcc cttgtccttt cgtactggga gaaatcgtaa atagatagaa accgacctgg   120
attvmmmcgg tctgaactca gatcacgtag gactttaaam cgttgaacaa acgaaccatt   180
aatagcttct mcaccattgg grtgtcctga tccmacatcg aggtcgtaam mcctaattgt   240
cgatatgamc tcttaaatag gatta   265

<210> 283
<211> 362
<212> DNA
<213> Murine

<400> 283
ggaattccgg agtctccatg ctatgtccca ggtgattcct ccacagtaaa acggggagac   60
ctctgggttg gagagtcagc gctggtcact cttcattcac ttgcagggag cctcaaggtt   120
aacagagctg ggcttctgtg agcagcatgg cctggaatgg ggtttggcat ggtcagcgta   180
agatggtcga gaaggtggat ctaaggaccc ttcctagcat ggggcaggaa aatagaggtg   240
gctccaactg ggccttgagg ccctagaggg ttaagtgcgb tctcacagga accaaggcca   300
agyctgggcc acagttdaga gacattccac aaaccctgat ccaatgawtc aagctataag   360
cc   362

<210> 284
<211> 392
<212> DNA
<213> Murine

<400> 284
ggaattccac kachagggga cttgttggtg gtccccttct atctgaatct catactcaga   60
cacgctccca ctgctccccc gatctgagtg cccctcttcc tgcaagcggc tccgaagggc   120
tttgttgggg gttgtctcca tccgaagatc actgctgact ggaggctgcc gtacctgagg   180
gcagtacgga ggggagattt caacaggatt ggtgaagaag ctgccatctt tcacccathc   240
tgttgaaatc tccccttcta tctgaatctc atactcagac acgctccac tgctcccccg   300

81

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atctgagtgc ccctcttcct gcaagcggct ccgaagggct ttgttggggg ttgtctccat      360
ccgaggatca ctgctgtccg aacctccccc gt                                     392


        <210> 285
        <211> 382
        <212> DNA
        <213> Murine


        <400> 285
ggaattcgtg tgctttgagc tttactaaag tttctttagt gaatgtggct gctcttgtat       60
ttggagcata gatattcaga attgagagtt cctcttggag gattttacct ttgatgagaa      120
tgaagtgtcc ctccttgtct tttttgatga ctttgggttg gaagtcaatc ttatcagata      180
ttaggatggc tactcctgct tgtttcttca taccatttkc ttggaaaatt gttttccagc      240
ctttcattct gaggtagtgt ctatcttttt cactgagatg agttyctgta agcagcaaaa      300
tgttgggtct tgtttgtgta gccagtttgt tagtctatgt ctttttattg gcgagttgag      360
accattgatg ttaagagata ta                                               382


        <210> 286
        <211> 258
        <212> DNA
        <213> Murine


        <400> 286
ggaattcccc tccttgactt cttctttccc agctggtttc gaggtctcag cagacttggc       60
attgcccaca ggcttctggg gctcagcagg ttgtkcgttg gttacaggtt tcagggaccc      120
tgaaggctgt kcgttggcta tgggtttcag ggtctckgca ggcttggtgt tgcccacagg      180
cttcagggtc tcggtaggct tbgcattacc tataggtttc bgggtctcag caggcttkgc      240
attgcctacg gtttcagg                                                    258


        <210> 287
        <211> 643
        <212> DNA
        <213> Murine


        <400> 287
ggaattcatt gagatcgttc aggaaactat gcatttccaa gccattatat agtctgggca       60
agataagttc ttatttcatt tgtctaatac tcatgttcaa gggaggccct ggttcagtct      120
gggcgcaggg ctcgcagatt acaccttaca gcctctcatg ttcagataac tggcaacaaa      180
gcaataaaaa gccgtccaac ttgtcagtgc gtagcagcaa agcccttcat gtgggcagga      240
caaagggctg gctctcatta gatgattagc tcattcaggt cacatctagg tcacttccac      300
ctttgtctgg attccaaggt tagccctcat ctaggtgagg ggatggggcc cctgtgaagt      360
cctcagagct caccctggag agttaagatg ggcacaatga gaaacaggag agcagggtat      420
gttcctcacc agagccagtg ttggcacact ggctcaatct caagaggttc cccaaatgag      480
tcagatttat agctgacatc aaggacagcg tcagagactc tagtctgtga aatcatcact      540
ctcaattgag ggagaccaga acctagggta ccacccaggg aatgtcaatt ccgatagaca      600
caggrtcggt agccagtgtg tgtagttagg cttcggactg ttg                        643


        <210> 288
        <211> 424
        <212> DNA
        <213> Murine


        <400> 288
ggaattctcg agcggccgct ttgtttgttt ttccttgata ttaagtagtg acagttttct       60
ggatgcaaaa ccacagacgc atcgccttca gtgcaacagt cctgcgggat gatcggcctt      120
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82

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ctccaggggg atgttggctt ccaggcacat tttcacaaag tcctggataa cactggcttt        180
ctctgtttgc gcaggactgt tgcactgaag cgatgcgtct gtggttttgc atccagaaaa        240
ctgtcactac ttaatatcaa gggaaaacca accaaccaac caaaaacccg actggaaatt        300
aagctgaaga accttattca gagacaaaat ggaacgattt gttgtaacag caccacctgc        360
tcgaaatcgt tctaagactg ctttgtacgt aamccctctg gatcgagtca ctgaatttgg        420
aggt                                                                      424


        <210> 289
        <211> 309
        <212> DNA
        <213> Murine


        <400> 289
ggaattccag tgggattcct cagctccatg atgcaatggt tatctttttg gtaaagaata         60
ttcaagtcct gacatcatag tagtaatgga tattactcat ggtatgctct caagcccagc        120
atggcacatt ctgtaccctc tttatcactg aagtaagcaa tgggtttaaa aataacgttg        180
cttacacacc cagagtacca atgattcatt aacaactgaa caaatactgc tctggactcc        240
aaaattatta cagaatttta tatacaggat tttgaggcat agggtatttt ccacccctag        300
tagaagtat                                                                 309


        <210> 290
        <211> 325
        <212> DNA
        <213> Murine


        <400> 290
ggaattcggt ttttaaggga attaagtcta tgttgatagt acaggggaa gaggatataa          60
aagtgaattt atagtttttcc cagaccacaa ggcattgttg tgccttggtg gccacctagg       120
tcaagaccag gatctctctc ctggggagcc aacaggagcc ttccaaaatt atcagggaaa        180
gaggttttct gtcctcaatc cagcttggga gagattttgt tactgacaca tgatccttcc        240
cccacccagt aatgaagtgt tctgtgtgct aacaatatag gcttaaaaaa aaaaaaaatc        300
bsgccgcbaa tttccaccac actgg                                              325


        <210> 291
        <211> 390
        <212> DNA
        <213> Murine


        <400> 291
ggaattcatt gaaccccatg caattatagt gggtacttca atacccctct ctcaccaatg         60
gataggtcat tataacagaa actaaagaga aaagcagtga aactaataga tgttataaac        120
cgaacaaatc tgatatcaat ggaatttttc atcgcaaaac aaaagaatat gccttcttct        180
cggcacctct cagaaccttc tccaaaactg atcatataag tcagcaggaa gtaccaacag        240
gaacaccagg agttctcagc tgtgcatatc tcagggaagt aaagatcagt gaagattcga        300
aaccattgca cagctagctg taccagcaag actgcacagc tagctatacc agcmagacta        360
gctctgtccc caccactcca tggaatctta                                         390


        <210> 292
        <211> 335
        <212> DNA
        <213> Murine


        <400> 292
ggaattcaaa gaggcaaaca tagaatcaaa ctaagcagtg ggttctttgc aaacagttgc         60
cttcatatta cctcagcagt taaacgtttg tgtggagtac taaggtggtg gtggagtgtg        120
```

83

```
ctttgtttag ttcttttact ggagtgggca ccccactttg tctctctcct aaagccctac       180
tcactttgta tcactgtagc cagaccacaa aggctgtatg ttgcaatgta tcaagtgaca       240
gttttagtta aacataaata ggcccattga accctgccaa acctggtcat atagatcaag       300
gtcaaggtaa aataccaggt ttctgtagta ggggg                                  335
```

       <210> 293
       <211> 369
       <212> DNA
       <213> Murine

       <400> 293
```
ggaattcccc ggctagagcg gccgctcgag ccgggtcgag cggccgcttt tttttttttt        60
ttttcacgg gaacagactt tattagttca cttgggtctt ctctggtacg gcatttgaag       120
ggttctctgg cacccctca tttttttctt ttttggcagc agctgcagca gcttttaagg       180
ccctttttttg cttcttcagc ttttgcacct cctggtaaac ccgaatgcac agagccttct     240
tggccaggaa gcvgcggtga accttttggt aaatgtcaga ggggggtaag gtatattcca       300
cccctagctc cttgcatgtc ttttcgaaga catcatagtt ggtctgacgg aggattttga       360
gcaactttt                                                               369
```

       <210> 294
       <211> 394
       <212> DNA
       <213> Murine

       <400> 294
```
ggaattcatt ttataattat gaatcatgaa tatctgtatt tgccgatggt ctcaggtgac        60
ccttgtgaaa gggtcgtctc accccaaag ttctgtccac aggttgaaaa ccactgtgtt        120
ggagggtgct gactgtaggg caacaacctg aggacaaaaa aaagccttga acatgtgttg       180
ttgctctggg agctgtgtgc tagctcatat cttcgccagt cctcccacta agcttggctg       240
gttcggggta cccccctattt atgggacyca gggtaggggt gaggcagtga tggkgccagt      300
ctgctgcact gcccaagcag tgaccgctcc cttgatctgt gctgactgtt aagagtgaak       360
kkcttcagaa agtagtactg ccacagccac caga                                   394
```

       <210> 295
       <211> 536
       <212> DNA
       <213> Murine

       <400> 295
```
ggaattccgg ctcgagcggc cgcttttttt ttttttttt ttagttgcaa gcagatcaca         60
aatcctctta gatgtaagga aagtgggtgt tctggagagg actcagatcc tgaaaatgag       120
gaagtgagaa tggctttttag ccattttttgg aaagtacagt ctgtaatagt ttaccttctg     180
gcccagagaa ttcacattct tctgcctgaa caatgcagtt aatttttttc ttctacaaac       240
ccctatggta tcagctggat gtcagggttt taccatttaa acctgatcca gtcacagaaa       300
tggttgttta ttgcagatga tactcctcat atgaaagaaa acctatgaaa caaaacaagt       360
tagcagctgc ccatatattc tacatatatt gagagaagta taagacagtg tattaaacat       420
gagaaaaatg gaaggcacac agcagacact gttctataca gtttcaattg aagtccaggg       480
tatatgttga cagctgggtc aactcctact ctctgcagta tyctccaaca awcccc           536
```

       <210> 296
       <211> 244
       <212> DNA
       <213> Murine

       <400> 296

```
ggaattccaa gaatgtacgc cagaggaacg ccacctgagt ggtggggcag gcggggggagg    60
ggaggtgccc agggtgcctg accccaggcc agctctacct ccactccagt atcccatcct   120
gtcccgattt gaacctaccc aacccaacct atcccaaccc aagtgaagac agagccttac   180
cttacagaaa acccacctgg aagaagcaar ccacttcagc ccctgtttct aatttaaact   240
aaat                                                                244


        <210> 297
        <211> 331
        <212> DNA
        <213> Murine

        <400> 297
ggaattcgtg aaggtatgtg acaacgttta cctgactaaa gcagctatca gcttacaagt    60
tccctgcttc cccagtcaat ttggtgactt tcattcttag tgcttcgacc cttttcctac   120
agcaagcaca caacactgca gttctttacc ctgcaatcct atgtatttgc ttcaattttt   180
gttctccaca tcctcaacta tgcattattg ggacagcaaa aaaaaaaaag aaaaagattc   240
tttcttctaa gggagaagta agtcacttag ccttcactat agaccacctg ggcacagtgc   300
acaagaaacg ccgagctcat ccttttctg t                                   331


        <210> 298
        <211> 308
        <212> DNA
        <213> Murine

        <400> 298
ggaattcgtg aagagtactg ccttgtcctt tggcgtgtgc atcggtcctg ctctcacccg    60
cagcctgcgc tctactgcct gctccagtcc actcctgacc gacagcatca tggctacgag   120
aggcactgtg actgacttcc ctggatttga tggcagggct gatgcagaag tccttcggaa   180
ggccatgaaa ggcttgggta ccgatgagga cagcatcctg aacctgttga catcccgaag   240
caatgctcag cbccaggaac ttgctcagga gtttaagaac tctgttttgg cagggacctt   300
gtggatga                                                            308


        <210> 299
        <211> 491
        <212> DNA
        <213> Murine

        <400> 299
gaattcccgg ctcgagcggc cgcttttttt tttttttttaa caaacccttg tgtcgagggc    60
tgactttcag tagatcgcag cgagggagct gctctgctac gtacgaaacc ccgacccaga   120
agcaggtcgt ctacgaatgg gttagcgcca ggttccacac gaacgtgcgt tcaacgtgac   180
aggcgagagg gcbgcctctt cataattttc aatctgttcc acttgtcttt cccatctgtc   240
taccatgtac ttgtacatgt agtcatggct taggtgtggc ttgtgacagg tgggcctctg   300
ggtttcccat gctcaaggca agggaaactg tcttacttaa cagtgtgtgt ctaaaaaaat   360
ctggcttttt tgagagtgca gtatttaaaa aacaaaactg tactatcaat ttctataaag   420
ttgttcgaga atttatatgg gtcccaaatg tcctttctga ctgaagtctg cagtaaadcg   480
aattccacca c                                                        491


        <210> 300
        <211> 465
        <212> DNA
        <213> Murine

        <400> 300
gaattccggc tcgagcggcc gcttttttttt ttttttttttt gattagctct ggataatttt    60
```

85

```
ttatggggag gggaaaaagg catttgatat cctgcctttc ctacagcact cagattaaaa      120
cacaggctta aattaattct gattgcttcc ttttccttgt tccttcctgc agaggctgat      180
gggacagtgt ccagggctgg agagccacgt gttctgtaga tgataaataa ctatgaacat      240
ttggtgctga attttttaca cttgtctctt gtggtgctat tgtccggaga cccttaggtg      300
gscctagggt gcctgccatg cctcattccc tcgaattcca ccacactggc ggccgctcga      360
gcatgcatct agagggccca attcgcccta tagtgagtcg tattacaatt cactggccgt      420
cgttttacaa cgtcgtgact gggaacaccc tggcgttacc caact               465
```

        <210> 301
        <211> 413
        <212> DNA
        <213> Murine

        <400> 301
```
gaattcccgg ctcgagcgac cgctttttttt tttttttttt tttttatga aatgagttca       60
tattcaagtg tgactatgta gtcaagtaca tagttgaaca tgagtagcct catatcataa      120
aagtagtctt ctatcattca tatacagtat atatcatttc tatacactcc tttgctctat      180
actgtgcctt ggagatctta agtcatgtta tcatcttaaa gtgtgtcagg gtagttacct      240
acctcaggca ttcaggttat ttctagtttt cagcacttwc aaataccttt agtkagtatc      300
tttgtgtgta cttttcata tgctgtgtaa cagtttctta agcaggactg caaaaatgta      360
aattkctgct tttcagctta ggkcatctaa cagatacact ttccttcaaa agc           413
```

        <210> 302
        <211> 436
        <212> DNA
        <213> Murine

        <400> 302
```
gaattcctca gacctggagc aggcgcggcc tcagacttct ggagaagaag agctgcagct       60
gcagctggcc ttggccatga gtcgcgaaga ggctgaaagg ccagtccccc cagcctccca      120
cagggatgag gacctgcagc tgcagctggc tctgagcctg agccggcaag agcatgagaa      180
ggggtgaga tcctggaagg gagatgactc tccagtggcc aacggcgcag aacctgctgg      240
ccaacgtcgt caacgggaca gggagcctga gagagaagag agaaaggagg aggagaagct      300
gaaaactagt cagtcctcca tcctggactt gctgacatct tcgcacctdc cccggccctg      360
ccttccacca ctgctctgct gacccatggg acatcccagg tctcaggccg aacacagagc      420
caagttvgct cctctt                                                 436
```

        <210> 303
        <211> 484
        <212> DNA
        <213> Murine

        <400> 303
```
gaattctttt tttttttttt tttttttttg aggtgctgag tcacactgtt aactgcttta       60
ttgagattca gggagatcct tcccccaaga gacaccacag tgtgaaaggg acgctgcctc      120
ccgcccggtc agtccatctg tccatgcctt catttgatca aatgtgcacc cactatccac      180
tggaaacagc ctccaacctg tccccatttc ttttcccctt agttctgaaa aataataata      240
ataatgacaa caaagaaaag aaaaccaaga tgcagtagtt ctgagagatg attgtacaga      300
cccaaagtgg gacgcatgag aatagaggga acacttgaga gtaaacctaa ggccaaggag      360
agggtatgca tggctcagaa aacacgtact ggggaagagc ctgcttaatc atgtgcatgt      420
tgggtgcaca tgcctctgct gaaagaagac aggacatcag ctaggcagac aactgtatcc      480
cata                                                             484
```

        <210> 304
        <211> 577
```

<212> DNA
<213> Murine

<400> 304
```
gaattccaca ccttgtaagg atggtataac ctctgcctta aacaagttca agaaaaggag   60
gggcaaaaag agcgcttgta tgcagcttta attatctggt cccccctcacc ccctgccttt   120
tgctgtgctc ttagccccag gccaaaggct aagactggaa ctaaatttgc ataactcacc   180
tcccacatag gtgtccttgt ccactcctct tagccttcgt gtatccggag cagattttat   240
agctgtgcag tcttactcca ttgctaccta agggaaaatc tgttaggtta aaaaattatt   300
tctgtcccat ggctggattt tcaaaaccaa ctgtggaaat aggctaatga gactggtaaa   360
gccaaccaga acacccacac gctattccca aatcaaatgc gttgtaaatt gggcgaatct   420
tgtatttgta gctgtctggt aatgtgaggt cagattttwa gcattctatc atcatgaaat   480
tgcactgtca ctttccatag cagccgagag aatgatagtg aggttaagga gccataaccg   540
tagaaaatga aggtgctcma gggcatgaat gttctga   577
```

<210> 305
<211> 492
<212> DNA
<213> Murine

<400> 305
```
gaattcgcag atgggccaag agcttcaagg agaaatagtt gtaataattg cagatcagta   60
tggaaatcag atttcatcat tttcacctga ttccttatct actttgtcga ttactggaga   120
tggccttgac agctcaaact tgaaaatcac cttggaggcc aactcacaga gcgtaagtgt   180
gcaaggcatc aggtttactc cagggcctcc tggacccaag gatctgtgtt ttacttggcg   240
agagtttct gactttctgc gcgtgcaact ggtttctgga cctccaacca agctgctgct   300
tatggactgg ccagagctga aagagtccat tcctgtgatt aatggaagac aattagagaa   360
ccctctcatt gttcaacttt gtgatcagtg ggataatcct gctttagtcc caaacgttaa   420
aatatgtctc ataaaagcaa gcagcttaag gctactacht tcaaaccagc agcataaaac   480
sgattccacc ac   492
```

<210> 306
<211> 611
<212> DNA
<213> Murine

<400> 306
```
gaattcgaac tctacaggac aacccatttc ctgagaggggt aggccagatg gctctgggtg   60
actgagaatg tcattccttg aatgggggac agaacggaga gggggtggga tttgtggaca   120
cattcacata taagcatatg caccccagca acaaggctcc taatagcctc tccaggaagg   180
agacaccgac ccctagattc ctggagtgtg taaacagccc acccctagag ccctcatcca   240
gtccatttct ccagctcgca agacccggct tccaacgtga agtcaccagg gcgtagaaag   300
tccctcctga tattcacatg acagattcct tttcgaacgt ggcactggag tccccggtgg   360
gtccctggta ctgtttcagg aggggattcc cctcctctgt ggcgaggggc agtggattca   420
gagacacctc gttcttcacc tggatcaatt cgggctctga gctcggcatc ttggttcgat   480
ccacgtaact ctgaagcagt ccagccccaa aagcatcacc ttccacgttg aggacagtac   540
aggacctgtc cactagccag tccacgccaa gatcaaggag atgtccttca cagggcaggc   600
tgacttsttt c   611
```

<210> 307
<211> 484
<212> DNA
<213> Murine

<400> 307
```

87

```
gaattcctcc agtcggttag ccggaaaaac gggtgcttct tgacatcctc tgcatccttc      60
tcaccagctc ccaggcgccg ctcaggattt ctccttagca gccttctcat tatggaaatg     120
gcttctgtag ataagaacct tggatacctt acttcgtcat ttacaatact gtcaaaaacc     180
tcttcttcat catcaccagg aaagggagac tcgccgacga gcatctcata tatgagtaca     240
ccaaggcccc accaatctac agcccttgtg tacgatgttt ctgttaggac ttctgggggc     300
aagaaactca gggagtacca caaaatgtgc ttgtcctatc tccatacccc attccttctt     360
tgcaaagacc aaaggtcagg caattttcac aaagccttct gtatctagca acaagtttat     420
ccaacttcaa atctctataa acaattttgt gttcatgtaa gtattgcaac ccaagaacta     480
caca                                                                  484


        <210> 308
        <211> 460
        <212> DNA
        <213> Murine

        <400> 308
gaattcaacc cggctcgagc gccgcttttt tttttttttt ctaaggacct tagaaaaata      60
aaaaaaaaat tctgagtgcc atctttatca tctcttcatg tgtgtgtatg agtgtgtgtg     120
agtgtgtgta tgtgtgtgta gtgtgtgtat tgcatgtgtg tgtgtgtgtg gtatgtgtgt     180
tgtattgtat atataccaga ccatgaggta ataggagaat acactattct cgccaagatt     240
tttatcttgt ctaatcaagt catgtttctg gctagaacac ctttcttgta atcattttaa     300
atgtagtcat ttaaatgaat aatccaaaca gaagtcctat tagatccatg tttctgttaa     360
atgattgcta agccctaacc tttcatttcc cttcaggaaa scatcaaaag catggttatc     420
attcactcta gaagcccgga ttatcgtttt aaagtcatca                           460


        <210> 309
        <211> 213
        <212> DNA
        <213> Murine

        <400> 309
gaattcctgg taagggcaag tcatacatgg aactcggttc ttcacggcat gcttagaaac      60
actgcgttgt ggagcttgtt tcgtgtttka aggaattcta acgcactaac acataatgac     120
tctagccyta kgatgcacag gcaaaaagga ggcctaagga ctcacttaca cactgcaata     180
aaagcttkct ccacttgttc tccaggaatc gcc                                  213


        <210> 310
        <211> 207
        <212> DNA
        <213> Murine

        <400> 310
gcgcggattc tttatcactg ataagttggt ggacatatta tgtttatcag tgataaagtg      60
tcaagcatga caaagttgca gccgaataca gtgatccgtg cygccctgga cctgttgaac     120
gaggtcggcg tagacggtct gacgachcgc aaactggcgg aacggttggg ggttcagchg     180
ccggcgcttt actggcactt cwggtac                                         207


        <210> 311
        <211> 285
        <212> DNA
        <213> Murine

        <400> 311
gaattcgtca agttggtctt gaactcctga gttcaaacaa ccctgctgtg gaatccacgg      60
tagctagacc tacagatggc atcaccaagg tcagcttgaa cacacagtta aaaatcatta     120
```

```
acccccaaact gaccataatg tatcaaagat gggtaggaat ttaatagcct gtctttatgt        180
ttaaaaggtc aaccaagtaa caataatcaa gatatctgaa gaagtctgcc aagagagctg        240
gtgcttcctg taagctcaca ggaagacgag gagcttcaac ccaaa                        285


        <210> 312
        <211> 457
        <212> DNA
        <213> Murine


        <400> 312
gaattcgtta tttcttaaaa taaaaagaac atctaaggac tgagtcctat atgcacttta         60
gagcatttct acagcatgcg attctaagag taaccccacc caatatggca aacaatcaaa        120
ttgtttaaaa tttaacttag aaagtctgag atcattattt tcaaaacatt gatttgtaca        180
ttgtttcata cacaaataac caactgacta tccaagcaca ggacagggca cctctctgga        240
gaaaaaaat ctctgacagc aggggcagga cggctagtgt cacatgacta caaacgtccc         300
tccaacttca caggaaaccc aaggaaagaa cagaaagtgg acagtgaggg gacaggaggg        360
acaggaggga gggaaavcag ctygggagta agtcmsctgc ctgagcaagg gaaggaagga        420
ctctgaccaa gcattcgtgg scmatcctaa catgtgc                                 457


        <210> 313
        <211> 418
        <212> DNA
        <213> Murine


        <400> 313
gaattcgtcc tctcttggag gtctgctcct ttttgaagag gaaacgggtg agagggtgtt         60
caataatgga gaaaagagga taggtgaagt gggggggcatg gggcatagct aggaagactg        120
tagggaggaa aaacaatgct caggatatat tgtatgagag agaaccgagg cagtggtgga        180
ggtcagggta gtacaaatta cggaaagagc cagcgacgtg gtggtcatca gaataactac        240
aagccatact gagaggcagc aggagcgccc gagtgacgac cgcacacgct ttgtttggac        300
gcgggaattc caccacactg gcggccgctc gagcatgcat ctagagggcc caattcgccc        360
tatagtgagt cgtattacaa ttcactgvcc gwcgttttac aacgtcgtga ctgggaaa         418


        <210> 314
        <211> 450
        <212> DNA
        <213> Murine


        <400> 314
gaattcctta ttttcagatg acagttttcc tccttttgga tcactgctac tgcggtgttt         60
ttagtaggc aaagtaagtg aatttaagat acgattcttt acaagtttgc tggagccaaa         120
aaagggaaat gaattttat cttttatggg tccaggtcgg tcataaaatg ctggctcagc        180
atcttcattg atgtcaagga aaaatgtgct ggtggaggtg ctgccgaagc ggtcgtcctc        240
cagcatgaac atgcttgatg gtgcagactc actctcactg ttatgtctag agctggtcga        300
ctcagagttc aagctgaggg tgcttgggac agatgagagc tcattgcaga gctgctccac        360
atcatctgga accactggcc atagahchth cactgtsctt acagaatccc agctgtgaca        420
tttcaaaata tcacagcctt accttggttt                                         450


        <210> 315
        <211> 555
        <212> DNA
        <213> Murine


        <400> 315
gaattccact actctgccaa ttaaaaaaga tttgttttttg caaaagttat gtttggagaa        60
```

89

```
aaataaaaaa gcttatggtc cttgtattaa gcaaaataag gtaggctcag aaagatgggt    120
gctgtttct cagatatatg aaatccacac ttaatagtat aagattttaa gacgcagaag    180
gtactattca tttagaaaag ggaaagtaac ctgtgggggc cagtacagag gacgaaatga    240
ggatgaacaa gcttgaattc cgaaataaag ctgtgtgtga atgtcacaaa ggttctatca    300
tactgaccaa tgagtgtatg ctaatcaaag taagattcgt taaaatggtt tgagaaatca    360
ttgttgaaat gttaatcaat ctcatctgaa gctccgtcta gatttttatt ttttatagaa    420
cttttataaa ctcttccacc tcaagtycca aattggaaag atttactcct cctttcataa    480
gttycccaag atgagataag agcyatrcaa wggtttgttt gggaaattga ggcatggaca    540
tcactacatg ggctt                                                     555


        <210> 316
        <211> 172
        <212> DNA
        <213> Murine


        <400> 316
gaattcgcgc agaggaactc tggtatcgat ggtacaagaa gagaccccat gatcatcara     60
gacagacara ggccagctgg ttccagactg gcttacaggk aaaatccagc tgctgcttgg    120
gcccctgatg gtcgacccag tagagggatg gattcagggt awcagccttc cc            172


        <210> 317
        <211> 355
        <212> DNA
        <213> Murine


        <400> 317
gaattcttga aatttaaaga aaaaatttat tgaagatctg aaaaacaact cctacaagat     60
tgacttttcc ataaaactgc agctacacga tgcattgcgt ctatcatgtt aaaacgtgca    120
ttagacacaa atacaaaacc catgaaaaca agccaccatt ctttaacagt tgagcaaaga    180
taagatgcct aaggaatgac atggatgact tgcaaaggat gggctcttta agcaccatta    240
waaaaaaaaa waagagcaca gatggatgag tgttcagtta tatacactga agtgaacctt    300
tggcactagg aatcagagca wttgtcataa gaagcattwa acacatatta taaaa         355


        <210> 318
        <211> 425
        <212> DNA
        <213> Murine


        <400> 318
gaattcaaaa acctttaatg agtaaaagac agtgtagggt ttgtgcccat tgtccatgtg     60
ttgctcctat tgtcacccct cctatcagaa ggtatttttg atgcgggcvg ccaccaggac    120
taggatttcc ccaatcttcc tctgccagtt ggtgatatcc ttggacacag cacaccacag    180
ctctccatgt cggggctctg cattctcaca gcgtttcctc acctcctcct gttgctcctc    240
agttccatgc tgcagttcaa atttgtagaa gaaggcccag gcatcccccc agatctgagt    300
caatcttcac agtgcsatgg aaccactccc gavccytggt gatctttctt tcactccaga    360
acaacttagc cacagctaaa agcacatgvg gtcatgttca cacttcttca gggcatccac    420
actct                                                                425


        <210> 319
        <211> 251
        <212> DNA
        <213> Murine


        <400> 319
gaattcatgg cgcatcccgc acccctggcg cccggcgccg cggccgcgta cagcagcgcc     60
```

```
ccggggagg  cgcccccgtc  cgccgccgcc  gccgccgccg  ccgccgctgc  tgccgccgcc      120
gccgcggctg  cccgcgtcgt  cgtcgggagg  gcccgggccg  gcggggcccs  cvgktgccga      180
ggccgccaag  caagtgcagt  ccctgctcgg  cggcggcaca  gagctcgtcg  ggggcccccg      240
gcgctgccct  a                                                               251


        <210>  320
        <211>  320
        <212>  DNA
        <213>  Murine


        <400>  320
gaattcgttt  ctgaaaaata  gctacagtgt  acttacatat  aatacataaa  tctttaagaa       60
aaaaaaaaaa  aaggggaga   tttaaaagta  aaggcctgaa  tgtctgttca  actaactaaa      120
tttatagaaa  gcttcacagt  acaaagcaag  caactgactt  aagacttgca  cctaaggctg      180
gagagattgc  tcagaggtta  agaacactga  ctgctcttct  gcaggtccca  agttcaattc      240
ccagacaacc  acataggtgg  ctcacaacca  tctgtaaaca  agacctgatg  ccctcttctg      300
gtgaactgaa  gaaggctaca                                                      320


        <210>  321
        <211>  374
        <212>  DNA
        <213>  Murine


        <400>  321
gaattccggg  gcaccctctg  ctgaacagta  ggggacgggc  caggtggcag  agtggccaga       60
ttgggggtg   aggccgtgga  ggaagggtc   ccagctccag  ccccgggccc  aggactcacc      120
aggctttacc  acactctgac  actgctcaca  cctgggagtt  gcttctgaga  agatcttctc      180
tttcatccag  cccatcgtgt  attcttttct  gcaggaggtg  ttgacacagt  gtgatgtgta      240
gaaggtgccg  tgggcctcca  ccaggtcctg  gggctccagc  cccgccactc  gttccagcgt      300
gtctatgttc  tgcgtgtagc  agcgcagcag  ctagcccctt  htccttcagc  aggccggatg      360
aagtaattgg  caga                                                            374


        <210>  322
        <211>  208
        <212>  DNA
        <213>  Murine


        <400>  322
gaattcactt  acactgtcta  ttccctgaac  gaccagccgg  ggctccacct  gggcttcgag       60
gctgccatta  tgcctgccac  aagtgacagc  cttccctggc  tacccaaggg  cacccaccga      120
gcaccctcag  gttcagctgt  gctcacacar  gggtgaatga  gcaccccagg  gsayccactt      180
ttgggttcta  ccactbcgat  tcccacca                                            208


        <210>  323
        <211>  396
        <212>  DNA
        <213>  Murine


        <400>  323
gaattcggca  gacaaacagt  gaccagaacc  agtgccctaa  ggaaaacaac  ctctacaaac       60
cactgaagcc  acttgaaact  ctcggacgaa  tgtgctgggt  ttcccacaac  agcgacactt      120
cccagagagc  tactgacaag  gagccctcag  gacactgatg  tgcatccttg  gacttgctca      180
ctcaggcccc  tgagtcagag  cctgccataa  tatccatccc  taggcctgct  aacacacttc      240
caggataaca  gggaggaaat  gacattcaca  cgttaccttt  tgtgatctgc  hgccaccavc      300
tgttggtttg  gaggactcta  camcahhttt  ctttvcccag  agattgggga  agatcccact      360
```

91

```
aacttctgtg tagcaaagcg ggggctggtc ctggtt                              396


          <210> 324
          <211> 585
          <212> DNA
          <213> Murine


          <400> 324
gaattcctga acagaggttc tcagaacata taaaagatga aaagaacacg gaatttcaac    60
agaggttcat tctcaagaga gatgatgcca gtatggaccg agatgataac caggtgaaga   120
atggaagagg gtgggcctat aaagagagaa actgggaagg gagaaggatt tgggggaatg   180
gaaaaaattg aaaatatctt aaaatggaaa actacacagc gctgttctcc tgagttgttg   240
gggcttccca ctgaggactg gctacagttg ccgtgctcaa ggccccagag agacagggtg   300
ctgaggtctc atttggccca cagctcttta ggtttgcctc taacttgtaa ctacgtttca   360
ttttggacaa acaaggtttc tccctgtgtc agccttgatg tagctgactt cagtgtcatc   420
tctttgctca acccctccct gtcttgcaga atttacactg ggagctacca aaataaccaa   480
aagttacttt atcccatttc cactcttcta gccaagggct ggccttaaah gcaaagttat   540
ggtctaattt aaccagttac agaggtgtgt ctttgatccc ctttg                   585


          <210> 325
          <211> 389
          <212> DNA
          <213> Murine


          <400> 325
gcgcggattc tttatcactg ataagttggt ggacatatta tgtttatcag tgataaagtg    60
tcaagcatga caaagttgca gccgaataca gtgatccgtg ccgccctgga cctgttgaac   120
gaggtcggcg tagacggtct gacgacacgc aaactggcgg aacggttggg ggttcagcag   180
ccggcgcttt actggcactt caggaacaag cgggcgctgc tcgacgcact ggccgaagcc   240
atgctggcgg agaatcatac gcattcggtg ccgagagccg acgacgactg gcgctcattt   300
ctgatcggga atgcccgcag cttcaggcag sctgctcgcc tacmgccagc acactggcgg   360
hhchcgagca tgcatctaga gggcccaat                                     389


          <210> 326
          <211> 375
          <212> DNA
          <213> Murine


          <400> 326
gaattccttg cactatgcgg ctgctcgkkk ccacgccaca tggctgaatg aattgctcca    60
gattgccctt tctgaagaag actgctgtct caaagacaac cagggataca cgccactgca   120
ctgggcgtgt tacaatggta atgaaaactg catagaggta cttttggagc aaaaatgttt   180
tcgaaaattt attggtaatc ccttcactcc actgcactgt gcaataataa atggtcacga   240
gagctgtgca tcattgctcc tggkggccat agatcccagc attgtcagct gcagggatga   300
caaaggcagg acaaccctcc actkggcagc ctttggagat catgcggagt gcttgcagct   360
gcttctgaga catga                                                    375


          <210> 327
          <211> 532
          <212> DNA
          <213> Murine


          <400> 327
gaattcggaa aatgaaagag ccttcctgtc ttcaacatat ttttgtttga gcttgatgtc    60
tgccaaccaa gtactcatag tagtatcagt atcactgtta gtatccacat cagtatctta   120


                              92
```

```
attccatgac ttttcactcc acccaactat ggctcctcga ttttcttgtt taagctttct    180
gaatttcttt ccagtctgaa atgctaatga tgccctcaga ctccttccct cttgccacat    240
ctccctcttt tttgaactcg tctcccctc tgtgttcata cccatcatac tttgctaatt     300
gctacttctg tgtcttaatc ataacattct tcttcagtct ttaaacaaga tctgtcccag    360
agtctaaatt tagccatttt cactctctgt gtgtcccatt tgggctttga attaaagttc    420
tgagttcact ggctttcatg aggggggagg tcacagaata aagtttccag tgtgttgctc    480
ttgaaaggag atctcccata ttcaaatacm cttctcccta aatattctgt ta            532


          <210> 328
          <211> 314
          <212> DNA
          <213> Murine


          <400> 328
gaattcacgg atttaacagg aatagaatgg cacaaggttt aatcaccagg gaaataaagc     60
aatcacaact gcggctcggg cgctgcggcc ctgctcacac cgacagaact gcggctacac    120
agagattgga aaaccgctac acgcgcctgc ccctacctgc gcccacggcc atgcgccccc    180
acctgaacta aggcagaggc aagcatcccg gagacttcac cccacaacct tctgagtctt    240
agtcttcvtt ctgtgtactg tgacaatgta tgaatcaact cttctcaatt cacttgagtc    300
caagtcgtaa ctga                                                      314


          <210> 329
          <211> 342
          <212> DNA
          <213> Murine


          <400> 329
gaattcgcgc actgacaggc cactgtrcac gtgtggaggt cagaggtcaa tgatagaarc     60
cctctccttc accacatagg tcctggaggt taaactcagg ttgttagact tggcaacaag    120
ccctttgtcc tgctgarcca tctcactgcm ccrccaccct ttwctgagag aggctcttca    180
ctatcctaac ctaggttacc ctggaactta tgatgcaccc aggtgctagt gttcacaact    240
gggaggaaaa cctcaaatta gggttatgtg aactgtaaca taaatttgta attttaacta    300
cttdtttttc ttactgggtt ttgatataaa dcctcacttt gt                       342


          <210> 330
          <211> 412
          <212> DNA
          <213> Murine


          <400> 330
gaattcgccc cgactagtca ctgtttagaa agaaagaaga aaggaaagac ccagcaaacc     60
taagctagta tgactatcca tctaaaaaag gctagggagt tgtgtggtgt ttgtgtgtat    120
gtttgtgtgt gtgtgtatgt gtttttatgta taagtcaagt attcacaaat cttttcacac   180
tagctgccat aaaaagacac agacattaca caaaccata ttgcttttca tatgcactct     240
ctgcagttcc tagctcaggc tcaaagacag cccacaaaag agtaaaagga acatgttgga    300
aacagaagtt ggggaagtcg gagaacctct gcagactkga ggtcgaacat ggagacacag    360
acctcacaga aacacactgg ccagctcctc artkcacaag tctkcctaag ct            412


          <210> 331
          <211> 275
          <212> DNA
          <213> Murine


          <400> 331
gaattccaag agtattagac attttggaag attattgcat gtggagaaat tatgagtact     60
```

                                    93

```
gcaggttgga tggacagaca ccccatgatg agagacaagt aagtatgaaa gggtgggaag      120
ttaaaaagtg aagtaagaac tttatttttt atattccatt agktgtacca atttaatata      180
atgtttgtat tgtattgcat cagagtattt gatttttttt aaaaatatgt attttctttt      240
aaaatttaat ttggtgtgat agtgttttgc cyaag                                 275
```

        <210> 332
        <211> 397
        <212> DNA
        <213> Murine

        <400> 332
```
gaattccgcc aagatggccg aagtggagca gaagaagaag cgcaccttcc gcaagttcac       60
ctaccgtggc gtagacctcg accaactgct cgacatgtcc tatgagcaac tgatgcagct      120
gtacagcgcc cgccagagga ggcgcctgaa ccgtggtctt cggcggaagc aacactcact      180
gctcaagcgc ttgagaaagg ccaaaaagga ggcaccaccc atggagaagc ctgaggtggt      240
gaagacgcac ctgagggaca tgatcatcct gccggagatg gtgggtagca tggtgggcgt      300
gtacmacggc aagaccttca accaggtgga gatcaaacca gagatgatcs gccactacct      360
gggcgagttc tccatcacct acaaacccgt gaagcac                               397
```

        <210> 333
        <211> 405
        <212> DNA
        <213> Murine

        <400> 333
```
gaattctgga gaagtgggag gtgtactgta cggggaggga ccaggggaag aagagggggg       60
tggaaagtaa gaagggagga aaggcaggag ggggagagag agatgttact gctttctttt      120
cagcacatat aaaacaaagg actaaagaaa cgcatattta aaatccagtt tctatattca      180
cacctaattc acttccaaac ctacttgtaa aaatccatct tcagcaaatg aatttgttgg      240
gaaaatggcc aggcatccat acacagaaag gttctccatc accataaatt aactcatggt      300
atgctgaatt aattgttgaa aattactaga aaatatgttc acaaacctgg caaattcaga      360
ctatgtcaca cacaaatact cctttctttc tccctcctcc tccct                     405
```

        <210> 334
        <211> 300
        <212> DNA
        <213> Murine

        <400> 334
```
gaattcggaa tgttaccgca ccgcatgctc tccctgcagc ctttcttgca cactggcatg       60
ctggtctagg agccgctatc tatcctctcc acaatgcctg chcgcctcct cmcvcagttg      120
acaagccaag ccgccactag cttcatcacc aachcgctct cctccaccat cctggaaccc      180
tttcccagct tcaccaccac atccgtatmm ctccttcttc ctagcttcct ccaccgaacc      240
gcactctttc ctgggctatc ttcaccatgc actgctgctg chgctcctca gtccttccta      300
```

        <210> 335
        <211> 357
        <212> DNA
        <213> Murine

        <400> 335
```
gaattcgttg gcgaatcatc atctcttcct ctcgtctacg ccgttcctcc tcttgcctca       60
actgcatttc tttacgtttc tgcatttctt gactgtgaag ttcctccatg cccttaattc      120
ttcctggcgt ctcatcagat cttkgcgcaa aagatttgct tggtgttcat ggtaagcatc      180
ttccatttca ctttccaatt tgtctttagc atccttcatg ttttttttcaa cttgttccct     240
```

```
ttgctgtttt tccatttcat ccaaggactt ccatygttga gaatattcac tcaaatgtgc    300
catgctgagc aaaacgaggt ggtgtttctc tctccttttg atacattgga ttcttct       357


        <210> 336
        <211> 427
        <212> DNA
        <213> Murine

        <400> 336
gaattcttcc catgcacatg caactctatg gagacgctct cccttgcacc ttcgtaggct     60
ctgtgtgtcc tcaggctgcg tggtgagcgt ctcgtaccta cagagccatt tcacagctcc    120
acaaactcag tttaaaacag cagcaccgct tctactctat gcttcggttc aagtgaggaa    180
gtgaggcagg tacaattgcg tcattcacac ggctctagtc aggtagctgg agcagagagg    240
atggagaaca ggctcatggg catctctctg tgctgagtat cctgggctct tttccacaag    300
gtctctccca taacaaaatg agccctggac agctacaggt gtcatacccc agtgccgcac    360
tccaacaact tcacagcttg ctagaactcm gaaatcaata aatcagaatt cagagcctca    420
ttcctct                                                             427


        <210> 337
        <211> 424
        <212> DNA
        <213> Murine

        <400> 337
gaattctttc tcagctgtaa ctgatggctg cgtctgaagc ctttactcta atggtgctta     60
tgtctgtgtg ggttgcaccc attctatagg gctaggtgga attgacgttt gttcttacgg    120
tgttttgtct acttcattgt actgtgacat gcttgaataa gggaggagc gaatggatta     180
cttacctgtc aggatgccaa gagcacctgt gtggtctgtc agcctggacc tcagtgagct    240
gcggtaagca ggttggcaac ctcaggctca acccatctgt gaggtcaatg catcttggaa    300
aacagaaagt gacctggcag catattcctt atttgtagta ctgtttgtg tttagtttgt    360
tgttgtcctt tgagacaggg tctctttaag tagccctgdc ctsgccgtga aatccacaga    420
gaac                                                                424


        <210> 338
        <211> 389
        <212> DNA
        <213> Murine

        <400> 338
gaattccaca attatctcat caataattac cctatttatc ttatttcaac taaaagtctc     60
atcacaaaca ttcccactgg caccttcacc aaaatcacta acaaccataa aagtaaaaac    120
cccttgagaa ttaaaatgaa cgaaaatcta tttcctcatt cattacccca acaataatag    180
gattcccaat cgttgtagcc atcattatat ttccttcaat cctattccca tcctcaaawg    240
cctaatcaac aaccgtctcc attctttcca acactgacta gttaaactta ttatcaaaca    300
aataatgcta atccacacac caaaaggacg aacatgawch ctaathattg tttccctaat    360
catatttatt ggatcaacaa atctcctag                                     389


        <210> 339
        <211> 388
        <212> DNA
        <213> Murine

        <400> 339
gaattctttt tggcttctta ggaggtataa agttctttcc aaacactgct tctcttcttt     60
ctaaatctgc aggatttcca cttaaacctt cattgggaga tgttttcaac ttggtgcaaa    120
```

95

```
tgccatagac atctccatag ctctcctgta ttttccgtaa tgcatccgtg gatctgagct        180
ccatgagagc tcgcagctct gtaagcgtaa ttccaaagtc tccatcatgg ttagcttctt        240
tcaaagagtt cttcacaccg ctatacgcaa ctgagttgtt ggccatgtcg cccatcacaa        300
ggataattta ttaggaggaa aatgtttccc agaagaatga aattttcacc ttgaatgtag        360
atttccaagc tgaaaatctt ttaaatat                                          388
```

<210> 340
<211> 230
<212> DNA
<213> Murine

<400> 340
```
gaattccccca agcttgtgca gaggccagga ccaccttgtt ttcatgctct tgactgctgg        60
gagcagtgga agagctaaga acagagtagg ggcccsaggg ctggatctag cccagcccag        120
ggscaaaaag gaaaagaggg gagtdctccc agctggtttt ggcttggtga aggcytgggc        180
tgggagttct ygagaggcct cctygctatc ttagaccacy ggktctttta                  230
```

<210> 341
<211> 200
<212> DNA
<213> Murine

<400> 341
```
gaattcacat atgcaaagag actgaatgtg gatcctttga ctttctcttg ctcccgatct        60
ctgtgcctcc tagtagagca cccgcccact gggcagccca ggaaagagct ggagacatca        120
gcccagtgga cttctaggaa gttgaaaaag caaaataaaa cattttcaga gagcgtttcc        180
caaawchgcg agcattctca                                                   200
```

<210> 342
<211> 350
<212> DNA
<213> Murine

<400> 342
```
gaattcccct acatcaaaaa ttatttaagt tgaccaagat aaaaaactgt ctctaaaagc        60
ttatatacat tagaagtagc aaaaataata ataaaggaag agattagaaa acagccatca        120
aattcagaca tctacaagaa ttctccaaca tctgctctct tatctcggca tttgcttcga        180
gcttttgttc gagctttgaa agctgcagag ttatataaat gcctttcaaa acgagaaatc        240
ttcatggttt taagtgttgc agcatcaagc atcacagggg ggtccaagct caaatacttt        300
tcgaggratt mmwtttgtct gcaagtggta ctgcatccct gatccmagaa                  350
```

<210> 343
<211> 376
<212> DNA
<213> Murine

<400> 343
```
gaattcgcgg ccgctttttt tttttttttt tttttttttt tttttttttt tttttactgt        60
taaaggattt attgcagtaa tacaacaaag gtttagaaaa catctgtgtg atcaacctga        120
cctggaagtt tcagtcgcag caaggggggt ctgacgttgc agctttccca atgcacacct        180
gaaccccacc caatgctgac ccccatacca tggtaagtta catttcttgg ttctacgtaa        240
gaccatgaac agcccgtgtg gtgcctctga gtgtctatta gtattacctt gttccaagaa        300
atcattttta aatggaaaac atgatcaact tctatggctt tcggtttaaa aaaaaaaaaa        360
caaawcacca gcttca                                                       376
```

96

```
<210> 344
<211> 481
<212> DNA
<213> Murine

<400> 344
gaattcgtcg tttttgctgt caccagcaac attgcctcgt ctaacatctt tgaccgacac      60
gttctttaca ttgaagccca cattgtcccc aggaagagct tcactcaaag cttcatggtg     120
catttcaaca gacttgactt cagttgttac attgactgga gcaaaggtaa ccaccatgcc     180
aggcttgaga acaccagtct ccactcggcc cacagggaca gtgccaatgc ctccaatttt     240
atagacatcc tggaggggca gtcgcagggg cttgtcagtt ggacgagttg gtggtaggat     300
acaatccaaa gcttccagca gcgtggtgcc actggcactg ccatctttgc gggactttcc     360
atcccttgaa ccaaggcata ttagcacttg gctccagcat gttgtcacca ttccaaccag     420
aaattggcac aaatgctact gtgtcagggt tgtagccaat tttcttaatg taggtgctga     480
c                                                                      481


<210> 345
<211> 507
<212> DNA
<213> Murine

<400> 345
gaattctttt aactgtatta ctgaatacct gaggtagttg agtaaaaatg cacgtttaat      60
accctgccaa cagcggctgg cacttccctt aggttatcca tgttagtgtt agagaaacag     120
gagacaacag ctcttctatt ctaatggctt aatgttgtgt tcctctgaca attctacttt     180
gatccaattt caacaattgg acttaggaac aatctagttt taaatttatt tgataaattt     240
agtgaatgta ccatttatdc caatttctgg cattatagag ggatattaag aaaaattagc     300
acgtttgtta tactttgata tcacaaggga agtgcagagt tctctttcct taccccccact    360
tttgtttgtt tggggttttt gtttttgttt ttatttttagc tgtttttttgt gcatgataca    420
agttwagatg ccctggatgt ttgattttgg atgacatgct atgtycttgt cagtggtggt     480
tcatttgcag taaatygatt gaggaca                                          507


<210> 346
<211> 429
<212> DNA
<213> Murine

<400> 346
gaattctgga tattaatgag agactacggg tatcgagata tcaagagtag gaattaaatc      60
atactcccaa taagagaaca tattcccaca acagaaatac tcattcccct aattgcaagg     120
aagattttaa ggcagtgagt ctcaaactgt aatcttacca ccagcagctg taatgctgca     180
aaaattctca ggttctaccc agacctacta gatcagybct ggggttagc taggcagcct      240
gtgtgctaac aagtctctct ggggactcag gtacacaatg aagtttaaga aaagtgcttt     300
tcaggctggg gatacagttc hgttgggaga atcttgccta atatgttcaa ggccctgagt     360
ttggttatca gcattacata agtgtgtgtt tgtacatgcc tgtcctcttt gggaggtagg     420
agataaagg                                                              429


<210> 347
<211> 274
<212> DNA
<213> Murine

<400> 347
ghcccccggc tagagcggct tttttttttt ttttttttgt ttttgaggc agggtttctc       60
tgtatagccc tggctatcct ggaactcact ctgtagacca ggctggcctc gaactcagaa     120
```

97

```
atctgcctgc ctcgcctccc cagtctggga ttaaaggcgt gcccaccact gcccagcttt      180
tttttttttt tttaatcctt tttattttttt ttaatagcta agtggtttga ctggttttca      240
gtggtagacc acgtggaaat gagaatattt atca                                   274
```

        <210> 348
        <211> 287
        <212> DNA
        <213> Murine

        <400> 348
```
gaattccccg gctcgagcgg ccgcttttttt ttttttttttt tttcagaaag ccagtttatt      60
tctaagactt tgtcataaaa cttttagcgg gtaccaatag ttacctgcca tactcgcacc      120
aagttgtctg tatagccagc aaacagagtc tkgccatcag cagaccatgc caaagaggta      180
cactggggtg gctctgcctt kctgctggtg ctgataactt cttcttcaat tcatctacaa      240
tgatcttgcc ctccaagtyc cagatcttga tgctgvgcca tggcagc                    287
```

        <210> 349
        <211> 403
        <212> DNA
        <213> Murine

        <400> 349
```
gaattcgctc tccttccctc ggaacaacat tagctacctg gtgctctcca tgatcagcat      60
ggggctcttc tccatcgctc ccctcattta tggcagcatg gagatgttcc ctcggcacag      120
caactctacc gccatggcaa ggcctatcgc ttcctgtttg gtttttctgc tgtctctgtc      180
atgtacctgg tgttggtact ggcagtccaa gttcatgcct ggcaactgta ctacagcaaa      240
aaactcttag actcttggtt caccagcaca caggagaaga aacbgaaatg aagcctgctt      300
gataaactgc tctcgagggg taaaacctag gbctcccatt gagcagcgtk aagggagchg      360
tccagactct ccatcgattg tvgcatctgt gatgttkgvc acc                        403
```

        <210> 350
        <211> 231
        <212> DNA
        <213> Murine

        <400> 350
```
gaattcggtt accatcgtta agccaatcgt ttatggcaat gttgccaggt actttggaaa      60
gaagagagaa gaagacgggc acactcacca gtggactgtg tacgtgaagc cctacagaaa      120
csaggatatg tcagcatatg tgaagaagat ccagtttaaa ttacacgaaa gctacggcaa      180
tcctctaaga gtcgtcacca agcctccata tgaaatcaca gaaacargat g               231
```

        <210> 351
        <211> 321
        <212> DNA
        <213> Murine

        <400> 351
```
gaattcggcc atctggctta ggtgccttac actggttgca ttcatttctc caagagaagt      60
tcatgttctc acatgtagga ttaggacact tccagtctcc agctcgttgc tgtcctccac      120
ctccaccacc tccactgggg aatcctcccc ggccaccacc accactgcca cctcctccat      180
agcctccacg gcccatgggt cctcctcgvc ctcggcctcm vcgaccattt ccaccacccc      240
gattgaagtc agctcggcgg gtagcaaatg aaaactttaa taggattccc agagaattct      300
ttaccatcaa aacmagtcga t                                                321
```

        <210> 352

98

<211> 319
<212> DNA
<213> Murine

<400> 352
```
gaattcggcg gcgtttattt ggagcaaatt cagctcccgg agctggacgg ttgaatgcag      60
gaggagttcc accaattgct ccaattcctt ccattgttgc agcttggcca aaacgttcag     120
ttgttggtgg ggtcaatcca agggttccat ctggcatcat agtggcaggt cctggaggag     180
ctggagtacc aggtggcaca ggagcagggg gcatcgcgcc tctattgttt atgcccatag     240
cacctcccat agccatttgg cccatccgta tctcttvttc tctcgcatca gggaaggttc     300
ccttgaatcc ttccwgcgt                                                  319
```

<210> 353
<211> 286
<212> DNA
<213> Murine

<400> 353
```
gaattcttcc atatttgtat catgtagctg tgcttttagc ttttcatttt cagctaaaat      60
ttgttcataa agctttttga agtcagttga gtcatccttt tctagcctgc tactgtaagg     120
ttttctgtct tctaagtaac tgtatgaagc agagcgaccc agcaaggaat cataccgatc     180
acttgatgat gtggaactgc tgtcatacct ggaaacagaa tccgtctaga aagtaaaaaa     240
aaaaaaaaat ttckgscckc hcgadcgggg aattccacca cactgg                    286
```

<210> 354
<211> 379
<212> DNA
<213> Murine

<400> 354
```
gaattcccag tttctggctg ttataaataa ggctgctatg aacatactgg agaatgtgtc      60
cttattgcaa gttgaaacat cttctgggta tttgtccagg agaggaattk ctggatcttc     120
tggtggtgtt ttttttccaa ttttctgaag aactgccagg ctgatttcca gagtgcttgt     180
attagcttgc aatcccacca acaatggagt gtttcttttt ctccacatcc tcgccagcat     240
ctgctctcac ctgagttttt gahcttagac attatgacyg gtgtgaggtg gaatctcagg     300
gttgttttaa hgtgcattyc cytgataatt aaggatgttg acmtttcagg tgcttctcag     360
ccattcagta ttcgtcagg                                                  379
```

<210> 355
<211> 319
<212> DNA
<213> Murine

<400> 355
```
gaattcgaca aacagtaaga cttgactgga atatctagtt acagaatatc ccagggaatt      60
ctttggtctt atcattttaa ggaaaaagaa aagcaacggc aagcagaatt acaggagaah     120
gaaatcgcag aaaaaaagtt taaagaatgg ttggaaaatg caaaaaataa acctcgtycg     180
ctgcaaagag ctatggttac tccagtggaa acttacaggt tggattttac gtctgtgctt     240
acataaatat ggtttgcaga agcaaatgat atatatagaa atgtataaaa gtaatttttc     300
tttgaaatta ttattttct                                                  319
```

<210> 356
<211> 104
<212> DNA
<213> Murine
```
```

99

```
        <400> 356
gcgctaggcg agcgcgcctg cctgaagctg cgcattcccg atcagaaatg acccagtcgt        60
cgtcctctcg gcaccgaatc gtatgattct ccsccagcat gctt                        104


        <210> 357
        <211> 87
        <212> DNA
        <213> Murine

        <400> 357
gcggtaggcg agcgcgcctg ccctgaagct gcgcattccc gatcagaaat acccagtcgt        60
cgthtctctc cccgaatcgt atattct                                           87


        <210> 358
        <211> 260
        <212> DNA
        <213> Murine

        <400> 358
gaattccgct gcctcaagct ggcttaagtc ctgctgagat tcagcaacta tggaaagaag        60
tgactggagt ccatagtatg gaagacaacg gcatcaagca tggagggcta gacctcacga       120
ctaacaattc ctcctcgact acctcctcca ccacgtccaa agcatctacc acccatcaca       180
catcattcca tagtgaacgg acagtcttca gttctgaatg caaggcggga cagctcatca       240
catgaggaga ctggggcctc                                                   260


        <210> 359
        <211> 163
        <212> DNA
        <213> Murine

        <400> 359
gaattccgag gccagcgccg cggtggagaa gctagtttcc ggcgtgcggc aggccgccga        60
cttcgccgag cagtttcgtt cctactcgga gagcgagaag caatggaaag mgcgcatgga       120
gttcatcctg ccacctgcct gactaccgag acccacccga cgg                        163


        <210> 360
        <211> 552
        <212> DNA
        <213> Murine

        <400> 360
gaattcgtac agtcaccaaa gtcacatttc agaggaaatc ttaatagatc ttctcacagc        60
caaaaatgca agaagcacac attttatagt tttaagtttg tatctcagag cctcagtcca       120
tacagaacaa agtcagccca acaaaatcag ttcaaggaaa acaaaagtta atttgcttgg       180
gcttcctagc taacacttgg ctattttccc actcaggtgg aggagtgtgt aattctgcca       240
gtgcccggga gctgagcacc caggctaaaa cacacaaaaa aacacaagtt aggtcctggt       300
gctgagaaag ttacagttag agcggaggct gctgacagcc tggagttcct ggaatgatca       360
caactccagc agcacaacct tgacttacaa ttgrcagctc tgctctactc tggggtctga       420
aaaccccaga gaggcgcaaa gctgactcta agaggcaagg tctgtcttgc tgttgttcta       480
ttgccacgaa gagacaccat gaccaaggca actttgaaag catttaattt ggggktcat        540
ggatccaagg gg                                                          552


        <210> 361
        <211> 434
        <212> DNA
```

<400> 361

```
gaattcctgg aactcactct gtagatgaag actgtagcag aactcagaga cccacctgcc       60
tctgcctctc aagtactggg actaaaggca tgcagcacta ttgcactgct gagttttgtt      120
ttctttttct ttctttttt tttttttggg ttttcaaga cagggtttct ctttatagcc        180
ctggctgtcc tggaactcac tttgtagacc aggctggcct cgaactcaga aatacgcctg      240
cctctgcctc tgcctcccga gtgctgggat taaaggcatt cgccaccacg cccggccttc      300
ttttttttaag attaaaagta aattactttt attaatttaa agttatgtgt gtgttttct      360
ctaggtatgt acataagaat gcagatgccc acacaggtca gaggcatcag atcctcctgg      420
agttaawgct acaa                                                        434
```

<210> 362
<211> 426
<212> DNA

<400> 362

```
gaattctgag tgagctgacc caaggcccat tgggctcaga ccttgctgaa tatgcttggt       60
gacacctaaa cctgcgcgct gttctcattt tggaactgtg tctggctttt gcttttcctt      120
ccgcacagga aactatcatg aaattccttc ctttgctttg gtgccaaagc ttcatctcat      180
ccatttcttc agcagccatt tcctgagtgt ctgcactgta ctgggcctgg ttaaaggcca      240
gggaaaaagc agatgttgga aaagaagcct gcatacttcc gtagaatgta agatgtaact      300
cagagttgag aaaagggagg ggtgacattt gtaacttttt cccttgctgt acagtctaca      360
ataaattata ctacataaaa ttctttaaca gtattcatta atgtagctga cccattagga      420
tggaaa                                                                 426
```

<210> 363
<211> 452
<212> DNA

<400> 363

```
gaattcgctc caaccattct ggtcaggaaa gagtgtgagc atgcttcctg acaactgcta       60
gaaaaactgt gagttgagta cactgctcct ctttattatg gcccaaacct ctgaccttcg      120
gtttcttttg caaggaactg aagaaagagc tgagaccttt cttattctgt ggaatgtcag      180
aggaagatca catgacaaag gctgaacact tttagctttg ttgtgtacta agtccagtgt      240
atcaaataag aaaataactt actctggctg ctgtagggtg ggagatgagt atcatggatt      300
ctagacaaag tgaccaactc tctctcatat acaaavcaca ctctgggggr ctcccaaagc      360
gatcttcctg aaagctagac ttctgttaag taactccaac aacacagtct cttbggtgaa      420
tatgtaagtt tttttaaaat atttttaaga ac                                    452
```

<210> 364
<211> 380
<212> DNA

<400> 364

```
gaattcctgc catttccagg agattgctga gcatcttcac aaaaaccaga actttccaag       60
tgctgagtag gatcaccacc taaataatac tcttcttgtc caaattgctc catagagtca      120
cagtacactt cactatctga atcacttgtt aaatggtgta ttcctgaagc atcttcactg      180
ggatcttcat ttctatcttg gtgagcacag acaatggtgt tctgtctgct gagagctctc      240
atctccaggc ttttcatctt cacvcttctg gtgcccggga agaatcagta tgaatgtcac      300
tctgtatatc ctgaacaaag ctacctttat agccattgta acaatgattt ccaaattctt      360
atctctgatt ycytcagctt                                                  380
```

<210> 365
<211> 308
<212> DNA
<213> Murine

<400> 365
```
gaattcccgg ccgtccctct taatcatggc ctcagttccg aaaaccaacw aaatagaacy      60
gcggtcctat tccattattc ctagctgcgg tatccaggcg gctcgggcct gctttgaaca     120
ctctaatttt ttcaaagtaa wckcttcggg ccccgcggga cactcagcta agagcatcga     180
gggggckccg agaggcaagg ggcggggack gkcggtgact cgcctykckg hkgaccgcyc     240
kctccccaag atccaactac gagcttttta actgcagcaa ctttaatata cctattggwg     300
ctggaatt                                                             308
```

<210> 366
<211> 479
<212> DNA
<213> Murine

<400> 366
```
gaattcagac tttgtcataa aactttttagc gggtaccaat agttacctgc catactcgca      60
ccaagttgtc tgtatagcca gcaaacagag tctggccatc agcagaccat gccaaagagg     120
tacactgggg tggctctgcc ttgctgctgg tgctgataac ttcttgcttc aattcatcta     180
caatgatctt gccctccaag tcccagatct tgatgctggg ccagtggcag cgcagagcca     240
gtagcggttg gggctgaagc acaaggcatt gatgatgtcc ccaccatcta aagtgtagag     300
gtgcttgcct tcattgagat cccacagcat agcctggcca tccttgcctc cagaagcaca     360
gagggatcca tctggagaga cagtcactgt gttcaggtag ccagtktkgg ccaatgttgg     420
ttgggtcttt agcttgcagt tagccagatt ccacaccttg accagcttkk tcccatccg      479
```

<210> 367
<211> 475
<212> DNA
<213> Murine

<400> 367
```
gcgcggattc tttatcactg ataagttggt ggacatatta tgtttatcag tgataaagtg      60
tcaagcatga caaagttgca gccgaataca gtgatccgtg ccgcccwgga cctgttgaac     120
gaggtcggcg tagacggtct gacgacacgc aaactggcgg aacggttggg ggttcagcag     180
ccggcgcttt actggcactt caggaacaag cgggcgctgc tcgacgcact ggccgaagcc     240
atgctggcgg agaatcatac gcattcggtg ccgagagccg acgacgactg gcgctcattt     300
ctgatcggga atcccgcagc ttcaggcagg cgctgctcgc ctaccgccag cacactggcg     360
gcctcgagca tgcatctaga gggcccaatt cgccctatag tgagtcgtat tacaattcac     420
tggccgtcgt tttacaacgt cgtgactggg aaaaccctgg cgttacccaa cttaa         475
```

<210> 368
<211> 543
<212> DNA
<213> Murine

<400> 368
```
gaattcatta actgtgctgt gataggatgt aggggggtgaa gtaagagggt aagcgcctga      60
tgtccctggc tgctttggaa atggctgttg ctgaggtggc tggagctgtg atattaaaga     120
gtccatcatg tcacctccta taggagaagg agggttatca tcctcattta cagatcttct     180
ccgagcatct tgattgctat caacaaacat gttcaggaaa gtctttaatc ctggtgcagg     240
atagaagcct tcaactaact tgctgttatc aaaaagacta taggcaccgt cccgtattgc     300
cacgacgcct cgactacggc agtatatgtc aatgcagtac atgttcctga aggccagtct     360
```

102

```
gatgtgggtg gatgattgtg gtaaaatgga gaaacccygg taggcsgtgt tagttctctg      420
gtcaagccca acattggaac agtagggagt ttgttgatag catttaatgg tgcctgagta      480
tcaaacaaaa cctgtaataa ctgaccacat ttggtgtttt gtttgaacat ttcttgaagt      540
tga                                                                    543
```

        <210> 369
        <211> 409
        <212> DNA
        <213> Murine

        <400> 369
```
gaattcggcg gaggcggcgg cgggcgaggc gggcgcgagc gagcgggacc cagacgcggg       60
ccgcgccgcc ggcggctgcg ggttctgtcg ggccatctgc tgggccggcc ccaggaggct      120
ccgagtacca atgagtgcaa agcgcggaga gccgcgtcgg cggccggggc gtcgcccgcc      180
gctactcctg ccgcaccaga gtcgggcacc atccccaaga agcggcaaga agttatgaaa      240
tggaatggat ggggctacaa tgattccaag ttcttattga ataagaaggg ccaggttgag      300
ctgactggga aaaggtaccc acttagtggc ttggttttac caactttgag agactggatc      360
caaaacaccc ttggagtagt ctggagcata aaactacctc taaaacatc                 409
```

        <210> 370
        <211> 139
        <212> DNA
        <213> Murine

        <400> 370
```
gaattcgaac atttgctcag gtatgaggca gggtgagaaa gctgggtgag cctgcatcta       60
caaactgagt gaattatttt chhtctgtgt gtgaatgtca gcatgacacc ctgagtagaa      120
sccagaccct gtcccctat                                                   139
```

        <210> 371
        <211> 382
        <212> DNA
        <213> Murine

        <400> 371
```
gaattcctca aatatctata taataattta caaccgttgt tgtggagata ggatctcact       60
acacagtgca cgatgccctc aaaattatgt agctgaggct agtcttagcc ttccaggcgc      120
tggggttaca gatatgtgct attacaacca ggcttggctt atactcttag tatgcaaaca      180
tagtcttcat atttttatat acctaatgca tgcctattat acaatacaca aaatcatgca      240
aagctatcac aaaattctgt agtagaaaca atttgattta tgccaactgt atgtctcaca      300
taactcaatt ccttctttta agaatgaagt cttcaatttc aagtgataat tctattaaaa      360
ctagaatcaa cacagtaaaa at                                               382
```

        <210> 372
        <211> 319
        <212> DNA
        <213> Murine

        <400> 372
```
gaattcctgc tataataacc taagctatta agtcacaaca gttttagctt ttcttttttat      60
aagagtttaa gattttattt attttttattt tatgtgtata agtatttgtc tgtgcatcat      120
gtacatgcct ggtgcccata aaggcaagaa ggggacactg gaattacatc cctgtaattg      180
aacagggtcc tctgtaagag cagacagtgc ttataattgt gaagtcctat ctgttagvcc      240
ccagtttttg gttttcaaaa ggggtaactc taaaaaatat tataraacag aacatgctca      300
aaataaaatg ttggcaaaa                                                   319
```

103

<210> 373
<211> 261
<212> DNA
<213> Murine

<400> 373
```
gaattcgatg tttcgtcagg agagatgagg taacaaacta ttgataacaa catagccata        60
agagaccaat actgacttca agactcaaaa gaacacagac cctaaaatca cagctttcag       120
gcagtgtgtt tctagaccac ggggcaactg tacmgcacaa agcagcatgt gacaagaaac       180
atcattgaca aggcagttct catgggggat ggagcaggct agtgggggtc ggggtcactg       240
cyggaáamct tcagaccgca t                                                261
```

<210> 374
<211> 557
<212> DNA
<213> Murine

<400> 374
```
gaattcgcgt cggacctgcg gagcccagga tggtgttgct cgagagcgag cagttcctga        60
cggagctgac caggctcttc cagaagtgcc gctcgtcggg cagcgtgttc atcaccctca       120
agaaatatga cggtcgcacc aaacctatcc cgaggaagag ttctgtggag ggcctcgagc       180
ctgcagaaaa caagtgtctg ttgagagcca cggatgggaa aaggaagatc agcaccgtgg       240
tgagctccaa agaagtgaac aagtttcaga tggcctattc aaatctactg agagccaaca       300
tggacgggct gaagaagagg gacaagaaga acaagagtaa gaagagcaaa ccagcacagt       360
gacaggcgtt ggctgctacc aaccagctgc acaagtgcat ttttcctctg tttgctgctt       420
tcagcacctc tgtatgtaac tgtttccacg gaagggtcct ttaagagaga aggactggga       480
tgggcatggg ctagttgtbg taagacgcca kttttsattg tgcygtgtgg gctggatatt       540
cttagattcc agccgta                                                     557
```

<210> 375
<211> 195
<212> DNA
<213> Murine

<400> 375
```
gaattccatt ggcaatttct ttttccaatt ccataacttt attcatttcc aaagagagct        60
ggttttcatc aataggcaaa ctttgttcct gacgaatcag tctggccaca gaaatcataa       120
aatccacata tgctgtgcaa gcctctttat atawtccagt gcactcagac gcatgcccyc       180
amgcatagtt acaac                                                       195
```

<210> 376
<211> 288
<212> DNA
<213> Murine

<400> 376
```
gaattccttg agaattaaaa tgaacgaaaa tctatttscc tcattcatta ccccaacaat        60
aataggattc ccaatcgttg tagccatcat tatatttcct tcaatcctat cccatcctc       120
aaaacgccta atcaacaacc gtctccattc tttccaacac tgactagtta aacttattat       180
caaacaaata atgctaatcc acacaccaaa agggacgaac atgaaccta ataattgttt       240
ccctaatcat atttattgga tcaacaaatc tcctaggcct tttaccac                    288
```

<210> 377
<211> 197
<212> DNA

<210> Murine

<400> 377
```
gaattccttg tgtgcctggt cagctccata cacccagcaa ttcacctgta agatctgtcc      60
tgctttggag gccgtggagt ggagtcttcc tttttcagga tgaaagaagt tggcttctcc     120
taaagacaac agtctcagac aggtctcaag attccctgtt ctcacacttg aatgggtcat     180
actgagatct ttccgtc                                                     197
```

<210> 378
<211> 229
<212> DNA
<213> Murine

<400> 378
```
gaattctgga gttccgcagc ttgacccaca catttgccag aggtgagaaa gtggccgctg      60
aggtcttgct gcttccctga ggccggttcc ttcacgagag agcagtagtc gttctcaagg     120
tggggagcga aggggctgct ggccccgctg cggchcgcca caggacagac catcggaaga     180
gctgtyvgcc tcagagttaa gggatggctt cttggggccc aggcgggag                 229
```

<210> 379
<211> 57
<212> DNA
<213> Murine

<400> 379
```
gaattcatgg aactactcca tcaataggca aagtggcatt gatttttatc tcdattt         57
```

<210> 380
<211> 356
<212> DNA
<213> Murine

<400> 380
```
gaattcccaa aagtgaaata agatgtccac attaaaaaaa taaagcctac aaaaaagttc      60
tggagctaaa aaaattattc atatggcaca atgtgatctc caaggtccaa aatattgaaa     120
tgagatccgt gtaagcatcc tgtctgcttt tcaatgcagc actaacttta ctgaggtgaa     180
atcacaattt agttcttcag tcaacaagtg gacacaaatg tttttctaca gttattaaaa     240
acaggagatc aagttgaatg tdccgaaatg atttcttcag ttggatattt tagtatcttg     300
aagaaaatta gtdaagggat acttgtcgtt tccatagcyt gatagaccaa aacaaa         356
```

<210> 381
<211> 371
<212> DNA
<213> Murine

<400> 381
```
gaattcgcac gcaagcccta tcataccaca ggaaacagag cacaagagaa gtgtacagtg      60
gagtgggcat scgtaaaaag atggtgtttc caagcagaag tatatgcaaa grctttgcta     120
aacagaaact gaacagatag cttataccat tagatcagat tttgaagggt tttaggatgc     180
atggagatgg gccactaggg ttgactatga ccgaggtcag gtattatgtg tttacttaag     240
attcctttct dscgatgaga atgcattctg actccagcat gcaccaggtg cgcttdctdc     300
ccagadctgg gattgccaat tccaagtgtk cctagccttg aggattgacc ttggscctga     360
gcatagcctg t                                                           371
```

<210> 382

```
<211> 323
<212> DNA
<213> Murine

<400> 382
gaattcwcgc tcwchcttcc tcagthcttt caaagtcaca ggaacctggc aatttccctt      60
ttcattcccc ctcccacttc cctggtaagt hcctctcgga atatcacaag agtttccaga     120
hctggttcgg atcacctttc ctgtaattaa ttaattatga gaagaaacag acagtacaat     180
agatctgata agatgtagca ttcttgttaa gattaaacaa tacatttatc maayhgtatc     240
agaacaaatt aacataatat ttaatcttat mmvcaccaat aaccacagga attgttattt     300
ccaardggag agtcttgtta gaa                                             323


<210> 383
<211> 379
<212> DNA
<213> Murine

<400> 383
gaattctgtt tatgtagcat ataaataata taaaattaaa cataaagaac ttagtatttt      60
attgtaagtg aaaaaaataa aactagaatt gtcatattaa tggtcctgca tatcaaataa     120
ttttcaccaa gtctctgtaa tacatactaa cagcattaga cacaggaaaa caatcaagat     180
gatcaaattc ataacaaaaa actgtattgc taacattgta acattttata agagttaatt     240
gaatagtgac caaagttctc ccttaaccct tccatctgat gactgtgaga ttgttttttta    300
agtttgctgt aaaagaagac ttgccttggc cwmctatacc tycaaccaat ctatagaatt     360
cagaggacca ggagggtac                                                 379


<210> 384
<211> 63
<212> DNA
<213> Murine

<400> 384
gaattccaac agttttgaaa gtaattaaga gaaatcacaa acagttaatt ctgtcctcca      60
aat                                                                  63


<210> 385
<211> 193
<212> DNA
<213> Murine

<400> 385
gaattctttt aatacaagtt attgtcgaag aaatcactgg agggagaaaa aaaaaatctt      60
cttcawccca caacacttaa aaagtaacac atgaaaggag aaatctggta acaagcagga     120
tagacttcat tctagtaaaa agaaataatg tttcaaaaca caatctaaag caggcttcca     180
ttagcaaaga aat                                                       193


<210> 386
<211> 252
<212> DNA
<213> Murine

<400> 386
gaattcgacg gccgtttttt tttttttttt tttttttttc ttttcttttc ttttctcttc      60
tcttctctts tcttctcttc tctttctttc tttctttctt tctttctttt ttggttttt     120
tcgagacagg gtttctttgt atagcctggc tgtctggact cactctgtag acaggbggct     180
```

```
caaactcaga aatctgctgc tctgctgttg agtgctggga taaaggcgtg ccacacactc      240
ggctgagayc tg                                                          252


        <210> 387
        <211> 103
        <212> DNA
        <213> Murine


        <400> 387
gaattcggac aacaactccc acaagaagaa catcttcgag aaacccttca ggctcgctac       60
gtgcgtgtcc ttccagtstc ctggcataac cgcatcaccc tgc                        103


        <210> 388
        <211> 153
        <212> DNA
        <213> Murine


        <400> 388
gaattccaga tcccattaca gatggttgtg agccaccatg tggttgttgg aaattgaact       60
caggacctct ggaagagcag tcagtgctct taaccatctc cccagcccat gtcttacatg      120
tttrtttaaa tgaggaacga tagtgtggts att                                   153


        <210> 389
        <211> 337
        <212> DNA
        <213> Murine


        <400> 389
gcgttaggcg agcagcgcct gcctgaagct gcgggcattc ccgatcagaa atgagcgcca       60
gtcgtcgtcg gctctcggca ccgaatgcgt atgattctcc gccagcatgg cttcggccag      120
tgcgtcgagc agcgcccgct tgttcctgaa gtgccagtaa agcgccggct gctgaacccc      180
caaccgttcg ccagtttgcg tgtygtcaga ccgtctcccg acctcgttca acaggtccag      240
ggcbgbacgg atcactgtat tcggctgcaa ctttgtcatg cttgacactt tatcactgat      300
aaacataata tgtccaccaa cttatcagtg ataaaga                              337


        <210> 390
        <211> 281
        <212> DNA
        <213> Murine


        <400> 390
gaattctttt tttttttttt tttaaagact tatttattat taaatataag gacactgtaa       60
ctgtctttag acacaccaga agagggtgtc agatctcatt accaatggtt gtgagccacc      120
atgtggttgc tgggatttga actcagtatc ttcagaagag cagtcagtgc tcttaaccac      180
tgagccaact ctccagcccc ccaaaagaca gccagcatta cactgagctt agagccagcc      240
tggttatgta tcaagtctgt gtctcaaaat gaaaagtgaa a                          281


        <210> 391
        <211> 262
        <212> DNA
        <213> Murine


        <400> 391
gaattctttc aactccaatc tctgactttr ctcattgctt ctcagcttca aaatgcaagc       60
acagactaca gctaactgag aactggctcc actcaggggc tatggcgcag gagccctgac      120


                                   107
```

```
gcatgcctcc gcvgctgccc caggctctta ccagcaggta gtgctggcgg tgttcagctg      180
ctgcctcatg ctgggcaggc tctkctgcct gtgcaacatg tctgacggaa gttaaggcct      240
ccagtctaac aaggtttctc ac                                               262


        <210> 392
        <211> 399
        <212> DNA
        <213> Murine

        <400> 392
gaattcgttt tttttaatgg cttttttgtaa catcgctgca ggaagcgggt ttctttgttt      60
tcttttcttt ctaagagaag gtatctccct ggtgcaatag ctcggcaccg ccggcggggg      120
cctctcgaca caccccagcc ctgggctcct ctggcctcca aatcattcag gatggtgagg      180
gaggatggga aggaggggggg aggggacag gtaaatcgca tctgcgccca cttctctctc       240
tacctccttt tggagaacca gccagcctgg accactttct ccatcttagg acaacttgag      300
gctccttgct ctcatctgtg cttcagagaa ttcctttccc tcchgggttc tgtctggttc      360
tcagcagggt tcccaggcca ctgtgcagtg gcatctagc                             399


        <210> 393
        <211> 632
        <212> DNA
        <213> Murine

        <400> 393
gaattcgggg gagaaagaga gggagggaga aagagagaga gagagagaga gagatcttgt      60
tctcctggca caatattaac tgtttataat taagctaaaa acttgttctg gtattttatg      120
acatcaggga aattctttcc tctctaggca gattgccaaa aacaactaga agctaaatgc      180
ctgtgccttc tgcttctacg acacaccact ccgtcttgtt cagtttcaac tagcgtcgct      240
ctaaaaggac aaaaaacttc ttgttttttct aaataaaaca taaatggccc agaatttgaa     300
ttgccgatct aaaatttta agtgactgaa gattctatta attctggcaa taaaatcatt      360
aaaaacaaaa caggttgcat aagacttta aacaattcat tcacaggcat gagaatttaa       420
ggtttctttt aaaatataaa atgctaaaac aataagtcta acaggagaat atgaataata      480
cmatattcta agaaaaaaac ccacaaagac aaacatgaca tttcattcat agctcattca      540
aataaaccaa ggattaaacc ttagttttaa cctgttaatt ttccttttr ytttagtatg       600
tctgatgtcd catgtacgrt arccagaagg cc                                    632


        <210> 394
        <211> 376
        <212> DNA
        <213> Murine

        <400> 394
gaattcaccg gctcgacggc cgcttttttt tttttttttt tacataaaaa gactttattt      60
gcaggggagc aggaatttaa tcaaacaagc caaatcccat gtcgtcatcc gactcctcgg      120
actcctcctt cttctcatct ttcttctcct ctgctgcagc gggggcagaa ccagcagcag      180
gtgctgcaga gccaggggca gcagaaacag ccacagcccc accagcaggc acactggcca      240
gcttgccaac accctgacga tgacatcctc aatgttcttt ccattcagct cactgatgac      300
cttgttgagc cgatcatcgt ccgcttcgat gcccacctgt ctagtatttt cttgatgtct      360
ttggcactag gagagg                                                      376


        <210> 395
        <211> 348
        <212> DNA
        <213> Murine
```

108

<400> 395

```
gaattcrgcc gctttttdrtt tttcattacg gtaaacagga atatattcar atgctaatrc    60
ctcctttgac cagaaatgga acatgctgaa ggatgaagac aaggatcttt dvcctttgct   120
tgaggtacch garctggtga cgttcagtta ttctaacagt gtcattcagt cacagtcatg   180
gcctgaacca gaatgtgtgt gtgtggtaaa aatatctgtc ttcacaacag tttctggtgc   240
rttgtagaat agcacataac tgctttctrc agtttgtdct ttgacagtat aatgtatgtt   300
ggtcatattt aacccaaatc atctctccct ctaacattgc aacacccc                 348
```

<210> 396
<211> 468
<212> DNA
<213> Murine

<400> 396

```
gaattcgcac ttttgatgtg tcaatcctca ctattgagga tggaattttt gaggtcaaat    60
caacagctgg agacacccac ttaggtggag agatttttgac aaccgaatgg tcaatcattt   120
cattgctgag ttcaagcgaa agcacaagaa agacatcagt gagaacaaga gagctgtccg   180
ccgtctccgc acggcctgcg agcggccaag cgcacccctct cctccagcac ccaggccagt   240
attgagattg attctctcta tgagggaatt gacttctata cctccattac ccgggctcga   300
tttgaggagt tgaatgctga cctgttccgt ggcacactgg accctgtaga gaaggccctt   360
cgagatgcca agctggacaa gtcacagatc catgatattg tcttggtggg tggttctacc   420
agaatyccca agattcaaaa cttctgcaag acttcttcaa tggaaaag                 468
```

<210> 397
<211> 381
<212> DNA
<213> Murine

<400> 397

```
gaattcgtct tcaacggctt ctgtaaatct cggtgacccc acaaggcgta ctgaaggaga    60
ttacttatcg tacagagagt tacattcaat gggaagaact ccagtcatgt caggatcaca   120
gagacctctt tctgcacgag cgtacagcat cgatggccca aatacatcca ggcctcagag   180
tgcccgtccc tctattaatg aaataccaga gagaactatg tcagttagtg atttcaatta   240
ctcacggact agtccttcaa aaagaccaaa tacaagggtc gggtctgaac attctctgtt   300
agatcctcca ggaaaaagca aggttcctca tgactggcgg gacagtacta cgacacattg   360
aggccaaaaa gttagaaaag g                                             381
```

<210> 398
<211> 239
<212> DNA
<213> Murine

<400> 398

```
gaattccccg actcgagcgg ccgctttttt tttttttttt tttttttttt tccaagcaaa    60
ccaacacact ttactgtggc gcaggctgcc tcagactgtt acttatttca gcccaagaac   120
tagaaggact tgaccagctt ggacaggcat ctgctcmgct ccaggcttcc acgagtcctg   180
gcacagaagg gttctctgaa aagtctacca caggaactgt gtctcggcac atgccaagt    239
```

<210> 399
<211> 391
<212> DNA
<213> Murine

<400> 399

```
gaattcaatg aaacatacat tcagaagctt ttctcattct cttgaacaac acaaagtgaa    60
```

109

```
aagtgataat aatggtgcag aaggtgtaac agctttttcc tgtaatacac aggtaactct        120
cctcctaaca gtatttggtg aagatgatca atctcaggat gttataagat tgcgtcaaga        180
tgttaatgat tataaccgga gattctcagg gcagcctaga tctgtaagta atattatagc        240
agctacaaag tcagagagag cctttatact ttttgtacaa tcagatttat caaccagcta        300
ttgaactatg taaagtctta gtatgtvtcg actaagtttt aaccttcatc attgccagth        360
gctagthhcc cagagagcag agtttatcta t                                       391


        <210> 400
        <211> 264
        <212> DNA
        <213> Murine


        <400> 400
gaattccccg gctcgagcgg ccgctttttt tttaagtaga tttagcttgc ggaccccctg         60
gtgtgacaga gaaggcccag caaagtaaaa agtagctaaa agctgaggcc tatgacccca        120
aagcccttgc taacttcccc ttgctaactt cctcctgacc agaggtctcc tgcbgccagc        180
aggaatgaag cacactagcc ttagaggcag gtctgcgctg tgggtctgtg gaagcctcca        240
gcctttctca gcctcctgct aagg                                               264


        <210> 401
        <211> 266
        <212> DNA
        <213> Murine


        <400> 401
gaattcctcg gtcaaactcc ccacctggca ctgtccccgg agcgggtccg ccccccgcac         60
gcgcgggacg gacgcttggb gccagaagcg agagcccctc ggggctcgcc ccccgcctc        120
accgggtcag tgaaaaaacg atgagagtag tggtatttca ccggcggccc gcgaggcbgg        180
cgtgccccga ccccgacgcg aggacggggc cccggcctcc cacttattct accctctcat        240
gtctcttcac cgtgccagac tagagt                                             266


        <210> 402
        <211> 341
        <212> DNA
        <213> Murine


        <400> 402
gcggtaggcg agcagcgcct gcctgaagct gcgggcattc ccgatcagaa atgagcgcca         60
gtcgtcgtcg gctctcggca ccgaatgcgt atgattctcc gccagcatgg cttcggccag        120
tgcgtcgagc agcgcccgct tgttcctgaa gtgccagtaa agcgccggct gctgaacccc        180
caaccgttcg ccagtttgcg tgtcgtcaga ccgtctaccc gacctcgttc aacaggtcca        240
gggcgcacgg atcactgtat thggctgcaa ctttgtcatg cttgacactt tatcactgat        300
aaacataata tgtccaccaa cttatcagtg ataaagaatc c                            341


        <210> 403
        <211> 369
        <212> DNA
        <213> Murine


        <400> 403
gaattcattt tatttgaagc aaccttaatc ccaacactta ttattattac ccgatgaggg         60
aaccaaactg aacgcctaaa cgcagggatt tatttcctat tttataccct aatcggttct        120
atthcactgc taattgccct catcttaatc caaaaccatg taggaaccct aaacctcata        180
attttatcat tcacaacaca caccttagac gcttcatgat ctaacaactt actatggttg        240
gcatgcataa tagcatttct tattaaaata ccattatatg gagttcacct atgactacca        300
```

```
aaagcccatg ttgaagctcc aattgctggg tcaataattc tagcagctat tcttctaaaa      360
ttaggtagt                                                              369


        <210> 404
        <211> 210
        <212> DNA
        <213> Murine

        <400> 404
gaattccaca gatgtacaag cttaaagatt tgaaagggaa acctgagagt gaacagagga       60
aagaaagaaa gaaggaaagg aagaaaggaa gaaaggaaga aaggaagaaa ggaagaaaga      120
aagaaagaaa gaaagaaaga aagaaagaaa gaaagaaaga aagaaagaaa gaaagaaaga      180
gmgagcgagc atcattttcc aagttggttt                                       210


        <210> 405
        <211> 396
        <212> DNA
        <213> Murine

        <400> 405
gaattcgctt gctgtgactg gtccacaatt cctttcttgt catcaccagc agcaacctcg       60
gccaagtaac ggtagtagtc acccttcatt ttcaaataga agactttgct ttctggttgc      120
gaasattggg gatcaagaac ttttccaaaa gagacagtac atcgttgcag atgtcacgca      180
gctccgtctc gatcttctct ctgtattctc gagccatctc tgctttttct cagcacctth      240
cgtcttctgc tcaatacttg agacgaccct ccacgatgac ctacgggctc ctacaacgtt      300
tttataagca acagagagaa ggtttctctc ctcatwcgac agctcagctc cctctcagtg      360
acagacttya tkcaggctgc catgtcatca tatcgc                               396


        <210> 406
        <211> 286
        <212> DNA
        <213> Murine

        <400> 406
gaattcgccg cttttttttt tttttttcc cacggaactg atatatcacg atggagagaa        60
caatgtctat ggctgcacaa atccagaaat actagaagaa aactagccga aacttcttgc      120
taaatgtgta atgtaactat tgattactga catccttccg tttaaatcct atgtgttgaa      180
aatgcaatct tgggcagcct ggggacaaat gttcagtgga tgcttcaagt tgaaatctgc      240
tgcattggca tgaggtttgg tgaamctgcm aagtcacagc ctgtgc                    286


        <210> 407
        <211> 200
        <212> DNA
        <213> Murine

        <400> 407
gaattcaaga cgtaggcagt acacagcagc agttcctgag tgtccctgtt tgtcacaacc       60
tggaggatgg tgaagttctc caggacactg ttcatcatgt agcgttcagg cagctgacgg      120
agcttgtgca ggaaattaac caggtactca cacatgggag agcgcasaga cggtacacaa      180
agcgcccgtc ctccagctgg                                                  200


        <210> 408
        <211> 287
        <212> DNA
        <213> Murine
```

111

```
        <400> 408
gaattctttc tttctttctt cttcttcttt ttcttcttct ccttcttcac attttacagt        60
atgcatatct gtcttaagta caaatagaat taagtacaaa cagtatagga ataaaattgg       120
aattaaaagt ttgadctctt acatggctca gttggtagtg ctgtctgtgc aagcatatac       180
taagccagat atggtggtgt gtgattgtca tctcagcatt aagggkggca gagacaggtg       240
tdcccttggg ttwcsgctag ttagtcgagc cagaattgca agctcca                    287


        <210> 409
        <211> 392
        <212> DNA
        <213> Murine


        <400> 409
gaattcccaa atgaactctc acttcttagg gcttgagttc cagaagtact ggggaaagac        60
taaagccaca gaagtgttga tgggggactg gggagattcc tcaatgggag aattcaggtc       120
cccaggtccc ggacttggca atgtgccttt taactgagat ccttgggggct ggtgagacag       180
aatgtcaggc tcccgctgac ccagtggttc tcaatcttcc tgtgctgtga cccttaaata       240
tagttcacat tgtagtgacc ccagccatga aatttthgtt gctatttttat aaccgtgagt       300
ttgttgttat gaactgtaat gtaaatttgt ttttcaatgg gtcacagggc gacccccaa       360
agtggtggcg gcacaggttg agaaccactg gg                                    392


        <210> 410
        <211> 382
        <212> DNA
        <213> Murine


        <400> 410
gaattcgcgg ccgcttttt tttttttttt tttttattg tcaagtattt atttatacct        60
acaaaagaaa acaagatggt atcaaaagga caatttacaa actaagaata gtagtaacat       120
agctctgagc atcctgtgca taacatcaca cctacaattc aagtctcaat gacaggaatg       180
tgtggagaga ccagcaaggg cgttagcaga gcactgatcc caagcaaaag ccaccaacct       240
tttttagatg agaagtctgc acaatggatg gttagggaga agcagcccac agcctaacac       300
ctagbcttcc taagtgagta accataacgg cattaaccca gctggaaggg tttgctgcac       360
ctgtgctgac aaaggacaga ca                                               382


        <210> 411
        <211> 264
        <212> DNA
        <213> Murine


        <400> 411
gaattccccg gccctggcac agaggactag gtgtgagagt gtgaggttcc cacccccacc        60
tttcctgcgc bgctccctcc ccccgacaca gccaccctcc gtgctcaccb bctgggagct       120
tgttgcttct tgttcaaggb gcgtaattbc gacactctct agggcgcagg gagccctgat       180
ttacatattt ctccbgagtb cbttccctgg tagggattct ctcttbggtt ctgacaccag       240
ggacaagagt bcaractgga aaaa                                             264


        <210> 412
        <211> 337
        <212> DNA
        <213> Murine


        <400> 412
gaattcagaa ccagaagcca aaarccaata aaaacaaaaa tactamcaag tcacttwcca        60
gctttaaatg tttaaatatt gcatggatca attttagaag ggcattgtat gtaaggcata       120
```

```
ctgtrgcatt tcagtcacca aaagaaacaa tcttcctaaa tcactagctt ctaggctgcd      180
cttctcaatc atgtgtctgt ctgtctgtct gtctgtctgt ctgtctgtcg tagcccagac      240
tgactgacct ttgtttccac cttccaagta ctggtatgat aagtgtrcwg rattatcctg      300
gcttagtctt tgaaagtaga achgagcaat agggaac                                337
```

        <210> 413
        <211> 280
        <212> DNA
        <213> Murine

        <400> 413
```
gaattcagct cacggaagat gttgctaaat tggaaagaga aatggagcaa aaacacaggg       60
aagawctgga gcaattgaag caattgactt tcaaggacag taagatagat tctgttgctg      120
ttaacatttc aaacttggta cttgagaatc akccacctcg gatttcaaaa gcacaaaaga      180
gacgggaaaa gawgkctgca ttggaaaagg agcgggaaga aaggatagca gwgkctgaaa      240
ttgagaactt atctggagcc agacaccttg agagtgaaaa                            280
```

        <210> 414
        <211> 408
        <212> DNA
        <213> Murine

        <400> 414
```
gaattcgttt tattgggaaa tgtatgcaat tcactttcag tttttgagaa cacctagcaa       60
gcatccaaga agacagcaca cacagtttca aaggaacaag gacagacaaa agggctggtg      120
gccatcccag ggacattgcc ttgaaaagta agtaaactgg gtgtcataaa taagactttc      180
ttactttata agaaggaaga atcaagatcc tgttttgatg tgtattaaat ataaaatata      240
aaatactctc tgacccagac gagggtggrv gaaatcctcc atccaacacc tcaagtttca      300
tgcaataaaa tccagaggtc tgttgaatcc gcctytcgat ycatgtactg cctgtactyc      360
ctcttttgag acacgttgat ggcataggca ttacagagcc gtctacct                  408
```

        <210> 415
        <211> 247
        <212> DNA
        <213> Murine

        <400> 415
```
gcgtaggcga gcagcgcctg cctgaagctg cgggcattcc cgatcagaaa tgagcgccag       60
tcgtcgtcgg ctctcggcac cgaatgcgta tgattctccg ccagcatggc ttcggccagt      120
gcgtcgagca gcgcccgctt gttcctgaag tgccagtaaa gcgccggctg ctgaaccccc      180
aaccgttccg ccagtttgcg tgtcgtcaga ccgtctaccc gacctcgttc aacaggtcca      240
gggcggc                                                                247
```

        <210> 416
        <211> 374
        <212> DNA
        <213> Murine

        <400> 416
```
gaattcttca tgtgtaagca atacctactg gtgatgtcgg atgccctgga gctggagtta       60
tcggcatttg tgatgatcct atttgtaggc acagggaaca aacttctgca agagaagaaa      120
agactcttaa ctgctgagcc atctctcagg cccccaacct ctccattttc tgctaattaa      180
acctttccct hmctcagcct tgattcatgc ccataattta cctcgacaca tttcattctc      240
aaagaaatac cattactcct tagggattgt ctcttggatc cttctgagat tgatcgttat      300
gaatgtaaaa gcacgggggg ggggggggcag aaatcacaac tgtaaattca catcctacct      360
```

113

ctcgtgcctg gaat   374

<210> 417
<211> 381
<212> DNA
<213> Murine

<400> 417
gaattcctcc tacaacttca ttaactgcgt actccttatt atcaacattt ccctgcgact   60
tcttacaatt ggcatactcc tcaagaatgg catcgacatt ctttttagca gggagctgga   120
acaactgctt ctgcctcgta accaagtccc agtcctccac cagccacggt tttaattctt   180
cagggatctt caccttcacc tccatcctac tcttgaatgc ctccgctctc cacagtgggg   240
tcagcccgtg cccttttctt ccgaggggggc tgggggactt cactggtach gcctccgtct   300
ccgttgccag gagccttcct tgttcthchg gtctthvgca cagaaccgga aggarggttc   360
tcagcagagc gagcctcccc a   381

<210> 418
<211> 190
<212> DNA
<213> Murine

<400> 418
gaattcgctt gctggagaga gagcactccg ccgggggtcg gtgaagtatc ccaagatggc   60
tgggcgtaaa cttgctctaa aaaccattga tgggtatctt ttgtggaggt catgccccaw   120
aaccagaagg caatggaaat vccctgaagt cctggaatga gaccttccac ccaggttggc   180
tagtctgtct   190

<210> 419
<211> 191
<212> DNA
<213> Murine

<400> 419
gaattcgcag cttgaggcac agacgaactt caccaagaga gaactgcaag tcttgtacmg   60
gggattcaaa aacgagtgcc ctagcggtgt ggtcaatgaa gawacattca agcagatcta   120
cgctcagttt ttmmctcacg gagatgccag cacatatgca cattamctct tcaatcttcg   180
acacacccag a   191

<210> 420
<211> 252
<212> DNA
<213> Murine

<400> 420
gaattccggc tcgagcggsc gctttttttt tttttttttg gctgtgtaca cagggtgctt   60
tattctccac agagtgatac atgctaaggt gggctgggct tggycgatgt bcccatatgt   120
acagaactga ataaagtggg tctctgagag gtctgagtcg ccttggtgtg aaarggacat   180
gggaaggagg aggctgttaa gaccagagtt gttagtctgt gctgtctgac tggatgtagg   240
gaggtaggca gc   252

<210> 421
<211> 379
<212> DNA
<213> Murine

```
<400> 421
gaattccccg gctcgagcgg ccgctttttt tttttttttt ttatctttca agctttttatt      60
taagtgcact gacttaagaa tgatttaaat cttgttaaaa gcagccacat ccatggactg     120
tacgtagtcc tcaaaagcag taatttgctc ttccagcata tccgttccaa ccttatcatc     180
ttcaactaca cactgtattt gaagcttttt aattccatat cccactggaa ccaatttaga     240
ggagccccac accagggcat ctgcttgaat gcttcggaca cactcctcta gttttgtcat     300
gtccgtctca tcatcccaag gcttcacgtc tagtaggatt ggaagacttc gcaacaactg     360
caggcttttt agctttctt                                                  379


        <210> 422
        <211> 296
        <212> DNA
        <213> Murine


        <400> 422
gaattcctga gagcaggtcc tgtagagcct ggcggacagc attacactct gccacaatgc      60
ctcccgacgg tcatcacgtg tgcaggatga gtcagccatc agggcagccc cactaataat     120
gctttccagg cgctcctcca gggacggcct aaagcgctcc tyytgaagct caagkkgtcc     180
acaatgattt gtttatcaaa gttgttgaga gcgtatccag ctctccgcca ctgccaccct     240
ggtgctgggc agcatcatct gatgcagtmg cctgggctgc attagaaatt tcctgt        296


        <210> 423
        <211> 296
        <212> DNA
        <213> Murine


        <400> 423
gaattcttca gaactaaaaa aaatatttca tttcattctg aataaaaaac agaacagaca      60
gaactcttgt aaattctgaa aacaatgtcg tcgctacgga aaatttcaca gaaatcatca     120
gggggtgtgg ggaccaaggt gcctgccctg ccacgagcgc cacctatctg cagtcccaga     180
ggaggctttt agggaccagc acaggtggtg gcagagcctg aatcaagctc aggacgcagc     240
ttctacctgc tgcaccaaga cccggtggcc cagagggcag cctagggtct ycagga        296


        <210> 424
        <211> 299
        <212> DNA
        <213> Murine


        <400> 424
gaattcccat cagaaaaaaa aaaaaacttt gcagccagct ctacttgaaa gcatggagat      60
gtgaataaag atgcctaggc ttgctagtgt gattagccat ctcctgacct ggaaataaga     120
cccaaaaggc aaaacaagaa taaaacctga cagacacctc ctatttacat ccagctatgt     180
acaattcaat aaattaaagt ttaactttct gagcagtcat attccaccta tttacaagag     240
atatcaaata attacataaa tcctttgtcc aatgtcgtgt btcckctttta ttattatct    299


        <210> 425
        <211> 256
        <212> DNA
        <213> Murine


        <400> 425
gaattccgcg gcctgggcct agtggcttaa cagtagcgac agcagcagcg gcggcggcgg      60
cggcagcsac ttcccgtggc gagcacaggc ccggaagccc gcacaggcga gtagagaaaa     120
tggcagacga tattgatatt gaagccatgc ttgaggcccc ttacaagaag gtgagaaaac     180
acgctagtga ggctttaata tatttcttaa tttagcatta ttcacgaaac twctgctgaa     240
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115

atgtaaacta accttc   256

<210> 426
<211> 238
<212> DNA
<213> Murine

<400> 426
gcgtaggcga gcagcgcctg cctgaagctg cgggcattcc cgatcagaaa tgagcgccag   60
tcgtcgtcgg ctctcggcac cgaatgcgta tgattctccg ccagcatggc ttcggccagt   120
gcgtcgagcd gcbcccgctt gttcctgaag tgccagtaaa gcbccggctg ctgaacccc   180
aaccgttcbc cagtttgctg tgtcagaccg tctcccgacc tcgttcaaca ggtccagg   238

<210> 427
<211> 348
<212> DNA
<213> Murine

<400> 427
gaattctttg ctacaagctg ggacagctgc aagaggagtg gcagagcagg ctcccgttgt   60
ctctcaagtc tttttcccct gactaattgg aattcatagg ggtaatttat agagggtgtg   120
ggaagtacat tttgttgcaa cctgacagtg actgtgagtt cctcattaac caccatacat   180
gggctctgtt ctaagtctgc tgttgtatca actgtctaat tgtctaattt gtctaattta   240
gtctttagtg ttcttgaagg atttaggtac cagtgtacca tttagcaaat aagcaaactg   300
aggcacsaaa ggttaagact gcttaggaaa ccataggcaa tgagtggt   348

<210> 428
<211> 241
<212> DNA
<213> Murine

<400> 428
gaattcgctt tttcttgtgt gaacagtagt ggtgaggcct atgtttttat gtggctttag   60
agaaaacttc agtcttcaaw gaactcttct aattagttcc ttcttagaaa aagttatgcg   120
ttaatttgtt tcaaaatatt taggcattct ttgaattata aacttgtgat gcagggattt   180
atgaatgaga cgttcacatg tgaagatgac ttcactawgc atctgtgtaa gcagaataag   240
a   241

<210> 429
<211> 329
<212> DNA
<213> Murine

<400> 429
gcgcggattc tttatcactg ataagttggt ggacatatta tgtttatcag tgataaagtg   60
tcaagcatga caaagttgca gccgaataca gtdatccgtg ccgccctgga cctgttgaac   120
saggtcggcg tagacggtct gacgacacgc aaactggcgg aacggttggg ggttcagcag   180
ccggcgcttt actggcactt caggaaccag cgggcgctgc tcgacbcact ggccgaagcc   240
atbctggcgg agaatcatac ccattcggtg ccgagagccg acgacgactg gcgcccattc   300
tgatcgggaa ttcccccagc tthaggcag   329

<210> 430
<211> 261
<212> DNA
<213> Murine

<400> 430
gaattccgcg gcctgggcct agtggcttaa cagtagcgac agcagcagcg gcggcggcdg   60
cggcagcsac ttcccgtggc gagcacaggc ccggaagccg cacaggcgag tagagaaaat   120
ggcagacgat attgatattg aagccatggc ttgagggccc cttacaagaa ggtgagaaaa   180
acacgctagk gagctttaat atatttctta atttagcatt attcacgaaa cthctgctga   240
aatgtaaact aaccttcccg g   261

<210> 431
<211> 317
<212> DNA
<213> Murine

<400> 431
gaattcgtta gcggcggcgg cgggaatcca gcggctggct ggctggcgac taggcctctt   60
gcagagaatc cggcgggaat ctgagccatc cgagccgcca ccatgacggt gggcaagagc   120
agcaagatgc tgcagcacat tgactacagg atgaggtgca tcctgcvgga cdgccgtatc   180
ttcatcggga ccttcaaagc ctttgacaag cacatgaact tgatcctgtg tgactgtgat   240
gagttcagga agatcaagcc aaagaactcc aaacaagcag aaagggaaga gaagcgagtc   300
cttggtctgg tgtycct   317

<210> 432
<211> 358
<212> DNA
<213> Murine

<400> 432
gaattcgggg gatatagctc agtggttaag agcactgact gttctctaga ggtcctgagt   60
tcaaattcca gcaactataa cagtggttca cagccatctg taataggatc caatgcccgc   120
ttttggtgtg tctgaagaca gtgacagtgg actcatatac ataaaataat cttaaaaga   180
atgttaaaaa aaaagaacat ttattttaaa taaataaatc aaattaaaga attattttat   240
cattattaac tgtgtatatg tgcacgtgaa tggagatgcc tataaaggct cattggaacc   300
cgtggagcgg gagtcttaga caactgtgag ctgccatgta ggcactggga agtgaact   358

<210> 433
<211> 280
<212> DNA
<213> Murine

<400> 433
gaattccttt gaaacaaaac gacttattta cggttacttt ccttataaga aggaacagca   60
gtctctaata atcaccataa agtgaagtgc tgtgtcccta attttctcca gtttcttcta   120
ccctaagaca tgttttttgg agaccacaat gactttgta tttaataatg taagtttcta   180
ttcagataaa atgatccagt ttcaagacag gtgagaagcc ctatttaagt ccaatggctc   240
acaatatgga ctgagaacag gagacatttt ycctycaaag   280

<210> 434
<211> 252
<212> DNA
<213> Murine

<400> 434
gaattcgcct tgtccccaca cacgacacac tgctcgtctt tgtccaggta actagggata   60
taccctgaca tgctgctttt caggggacat tggccgttct ttcttttttcg ctttccatct   120
ggtgacctgg cactgttctc ctctgggtct gacccacact ccaccttgct tggcttctgt   180
tccattcact tcaattccat ccaggatgct ctccagcrcg ccaagagact ggggtgggca   240

cactggcccc cc   252

          <400> 435
gaattcctga gcsgcacttc atcgatgatg tacagatgcc cctgggtctg gtggtggctt   60
cctgcagcca gacagtcacc tgtatcccca actgcacttg gcgaaactat aaggcggaag   120
tgcgcttcga gccacgcccc aagcccgccg tttcctcagc accaccatcg tctaccccaa   180
gtaccccaaa accgtctaca ccaccactct ggattacaac tgccacaaga agctgaggag   240
gtttctgtcc agtgtggagc caggccacgg agttcctggg cgcgatgggc tagccgatga   300
atgttgactc agctagcttg aggttggacc agctgttcat acactgccct ggtccccaga   360
ccaccctgga caagctgggt agcattgctc tt   392

          <400> 436
gcgtaggcga gcagcgcctg cctgaagctg cgggcattcc cgatcagaaa tgagcgccag   60
tcgtcgtcgg ctctcggcac cgaatgcgta tgattctccg ccagcatggc ttcggccagt   120
gcgtcgagcd gcbcccgctt gttcctgaag tgccagtaaa gcbccggctg ctgaaccccc   180
aaccgttcbc cagtttgctg tgtcagaccg tctcccgacc tcgttcaaca ggtccagg   238

          <400> 437
gaattctttc aaagtatata aatagaaaaa ccctaaattg aactgaacag gttatttaat   60
gagcagcagt aatatatata tatatatata tacacataca cacacacaca cacacacata   120
cacacaaaca caccaaaata cgacagaaga aataacaaaa acaaaaacca ttataaaagc   180
agtaatatta gggaaaaagt ccaataagta aatgtataag caataagcac ccaagaaatt   240
aaaaacactg aaaaaacctc tcagaaaagt tctgtcgcgt ttgtgaacct tttttttttt   300
tttaatcaaa tcgacaacaa acattaa   327

          <400> 438
gaattcattt tatctaggtg gactctgaaa aatgctgtag attttctttt ttttattaa   60
taacaacaac aataatataa aaagtcaaac aaactgcaaa cacacgtttt ctcactcaga   120
aaactttta taatttacca gaaagattgg tgactctttc caaagtgcta aaaaagttgc   180
ccaattacat taagcattac taagtcattc aaatacaggt tcagtggcaa gcaatgaaat   240
gcacggcatt tgagcagtaa gcgtctccgc ccacctcccc tctgcacggt cccaccagaa   300
gacctcttat tgcacaagtg acatgctgta aaacctaggg tcctcgtkgt cagggacacc   360
cattcaggtt cttaacctgc   380

<211> 150
<212> DNA
<213> Murine

<400> 439

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gaattcggaa aagtgtctta ccctagatgt ttagccatgg tcaaattaga cccctgactt      60
tctggaaaca aaatatgtag ttacctttta ctctgaccat catctcccac ctgcctaagg     120
tacttagtcc ttagttagac ggcctctatg                                      150
```

<210> 440
<211> 432
<212> DNA
<213> Murine

<400> 440

```
gaattcaaag ggagaaaaac aaaagttcat gactgtgatg cccaacataa cagttctagg      60
gcaggtatgc cagggagccc ctcccatgcg ctgtctccca gctcccaccg ctgggcaagg     120
atcattttaa ggatgggcag ttctggggcc acagcaccta gttttgcggt taaagggagt     180
ggggggaggg gtgaacagga agactgagga gggctcgggg catggtgaca aaaagagcta     240
ggctgcccta cccccaactc gattgtctaa cagataaaat gcctggccat aaatatgaac     300
actgattgac tgttgaggca gattggatct aaaacttgca gggsagaaca aaatkgctgt     360
gacacccctg aatttggtat catagtatct ggggtccatg tcctaactta ggagtggatt     420
ctgtctaaaa at                                                         432
```

<210> 441
<211> 323
<212> DNA
<213> Murine

<400> 441

```
gaattctcga tctggaacca ccagccatgc ttccttaagg actgggaaat gcacgtccac      60
ttcaaagtcc atggcacagg gaagaagaac ctccacggag atggcattgc cttgtggtac     120
acccgagacc gcctcgtacc agggcctgtg tttggaagca aagacaactt ccatggtttg     180
gccatcttcc tgggacacgt atcccmatga tgaaaccact grgcgtgtgt ccccgtacat     240
ctcggtgatg gtgaacaawg gctctcctgt cgtacgatca tagcaaagat ggacgatgga     300
gtgagttggc aggctgcacg ctg                                             323
```

<210> 442
<211> 412
<212> DNA
<213> Murine

<400> 442

```
gaattctttg caaccaacat gaaataaaaa aaaaaaaaat ctgtaagctt aaagtttaat      60
gtggtaagca cagcatggct gaagaacacc aactctccct ccatgggtgt cattgcctgt     120
tgacctgtgt gtgtcctccc tcacatgatg gcaggtcatg cgagaggccc ctggttccca     180
tgaataaggg ggggggggta ggtgaatagg ggacttgaca atgcagggct cttcccttttc    240
catcgtcttt gtctgtaact tttaagacaa aatttgaaat ttgaaggtag tctcaaatcc     300
tggaaggttt aaaatttgat ataagataaa aaatggaaac ttttattaaa ataagtactt     360
taaactaaca ctgaatagtc tagaccgtta acagaaggaa aatcttgtgc aa             412
```

<210> 443
<211> 444
<212> DNA
<213> Murine

<400> 443
```
gaattccccg gctcgagcgg ccgctttttt tttttttctac ttgctaagcc atatcgaatc      60
atatgttttt cccccaagc aatcagtttg ctttctcaga ttttatttga aaataaaggt       120
ccaggtcatt tctaggactt ggaggatttc ctgtaaatct actaaattag cacatcaatt      180
aaattgccct aactcgcagt gtggaagaca acagtgtcca ttgctacggg atcctggggg      240
ttcttgcaat ataagtgttc ctcaatgcgt ggctgtttcc caaatgtcca cctccaaaaa      300
agtcatctgt aatcttgtta aattagaaca cttccagtat ctttctgact tttacagtta      360
aggttacaga attgatttaw tttatagtcc atggctctca gagcttaaca ctagcaagac      420
cccatggcta gaatgccccc aggg                                            444
```

<210> 444
<211> 433
<212> DNA
<213> Murine

<400> 444
```
gaattccata aagcaaacat tgaataaaga tgaaatagca ctggtaaact taaaaaataa      60
aaaaccaaaa acgttctgtg ctcttttatg tgtaagatgc taaaatcaag tatctttcca      120
gatggctcac caccttgtat ttatgcaggg tcttacactg aacctagagt ttacaatttg      180
gccagcttgc tttgtgggat actatctcta cattcccagt gcaaggatta cacttggsct      240
acatatccac ccatttttaa gggtctgaat ctggttttca ttgtctgcta gtgctttatc      300
tattggacta gctccccagc cacacagtaa ggcatacttt aaaaggctat cacacctgtg      360
atctaattct gatttcacag gctaagaagc tattaaatcc aaggaaccat gaactagttw      420
aacaaaaatg gct                                                        433
```

<210> 445
<211> 420
<212> DNA
<213> Murine

<400> 445
```
gaattcaaaa ttcatttcta tatcctcttc gatgtacacc atctccacag acttaattct      60
ttgaagccag agacctggta gactgtgacc cagtaaaaat ggctttttgcc tttatgtaca     120
tcagatccgg gcaggcagt gacatcaact aacacggtgg tttcttacaa gagcaacagg       180
gtgtgtgtgt gtagggtggg gactcctctt ccaaagatcc agccttcaga ctgacagctc      240
tgccctttca tctcacctcc tgagcaatca cacaggttta ccaatgttta accacatact      300
taacaagaaa gggcaatcct tctgtaaacg ttctctgctc aaggtaacaa acatgccctt      360
ggattggttt caggagatca gctagggacg acctgtgatc cccgtctcca ttcctcccag      420
```

<210> 446
<211> 317
<212> DNA
<213> Murine

<400> 446
```
gaattctttg gggggaaatc cccaaatttg ggccccattc tagaactctg gggagttcaa      60
attccagaga gaatatatat tatatatgtc ccccaaattt cccatccctc caagccccac      120
gatctctaga agccccaaat ttctaattcc caggacttcc ctacccaagt aacagaatct      180
tcaaatcccc agggaatcca aacttaagac cccaatccca agctcaggaa acccaactac      240
maggtcctaa ggctgggagg aaggaccctg ttgccaggct ctcagggcat ctcaaacact      300
gactaccagg caccagg                                                    317
```

<210> 447
<211> 290
<212> DNA
```

<213> Murine

<400> 447
gaattccgag cggccgtttt tttttttttt tgttttgttt ttgtttgttt ggttggttgg        60
gggtttttgt ttgtttttc gagacagggt ttctctgtat agccctggct gtcctggaac       120
tcagaaatcc tcctgcctct gcctcccaag tactgggatt aaaggtatgt gctgccaccg       180
ctcagcattt wcgtatattc ttattcttca aaactaatct ctacagtcaa tttagcaagc       240
tcaaagatag caatgatcca agaagtaca dactagaagc agatcaattt                   290

<210> 448
<211> 396
<212> DNA
<213> Murine

<400> 448
gaattcaatt aattagaggt aaaattacac atgcaaacct ccatagaccg gtgtaaaacc        60
ttaaacattt acttaaaatt taaggagagg gtatcaagca cattaaaata gcttaagaca       120
ccttgcctag ccacacccc acgggactca gcagtgataa atattaagca ataaacgaaa        180
gtttgactaa gttatacctc ttagggttgg taaatttcgt gccagccacc gcggtcatac       240
gattaaccca aactaattat cttcggcgta aaacgtgtca actataaata aataaataga       300
attaaaatcc aacttatatg tgaaaattca ttgttaggac ctaavvcaat aacgaaagta       360
attctagtca tttataatac cgacactaag acccaa                                  396

<210> 449
<211> 373
<212> DNA
<213> Murine

<400> 449
gaattcggaa agatggtcct tctcagggca tcctgggaaa cctggctgag aaagaaggtc        60
tggtctttaa agctgtcagc tgcttggaga agttttacgg ggtttctgac ttcaaatcga       120
tttctgaaca gcccgtcagg cttcttagtg tgcttttgct caaagacttc ctcatcctcc       180
agtgaggtcc tggcgtagtg gccagtggca acggcatctg ctccaagatt gtccacagca       240
tagtgataaa agcaactgaa cttgatatgc ttattgcagt tgatgtcggg gtttgagtcc       300
ttctttctca taccgktcaa aaagtcactg aacacatcat tccaatactc cttcacatag       360
gacacctggt gga                                                           373

<210> 450
<211> 420
<212> DNA
<213> Murine

<400> 450
gaattccagc acctgcgtas cgcacgtggt acgtccaggc cacctgtgcc acccaaggca        60
caggcctgta tgatgggctg gactggctgt cccacgagct gtcaaagcgc tagccagcca       120
ggggcaggcc cctgctgccc ggaagctccc gcgtgcatcc cgggatgacc agactcccgg       180
actcctcagg cagtgccctt cctccccact cttcctcccc acagacaggc ctctgctcct       240
gcgcctgcct gcatgctctc tcttgtcgtt ggagcctgga gccttgctct ctgggcacag       300
agggctctgc tctcctgcct gctgggacct gtggatgggc ttcctggcca aggcccctc        360
ttccagggga ggagcaggga tctggattta atttggtttt ggttttggtt ttttgatttt       420

<210> 451
<211> 405
<212> DNA
<213> Murine

121

<400> 451

```
gaattcctca gtttcttcaa atatacatgc tttcaagcac ctcccaggtg tagtggcccg      60
gagtgagttt acttcagatt attcattaca actagctgtt atttgtttat aatgcccttg     120
tgattgtaca ctttgcatat gttactcctc ttattactca gagtataaac tgtctgatgt     180
tctgaataaa gttagctatt gcatgagact tcagtctgtc tcatttaatg gctccattct     240
cccaggtccc atcacagtaa acaatacata atggattttt ttgtttgttt gtttgttttt     300
ttgtttttc gagacaggt ttctctgtag cccggctgtc ctggaactca ctctgtagac      360
caggctgttc tccaactcag aaatccgcct gcctctgcct cccaa                     405
```

<210> 452
<211> 446
<212> DNA
<213> Murine

<400> 452

```
gaattcgctg tggcacccat tcatgtaact tcctcatttc atgtaaacaa agttgctggt      60
gactgtggct cctgacctgt acgtcttatt tggattttc tctgatagcc catctaagaa      120
cttgaattca caccctttgt gcagggctgt ggttgactcc tggtgagggg tggagtgatt     180
tctgtgactt gagaacgaat ggacacaagt gctaagcagt ctgctgggct ctgctgtcgt     240
ttagtgttct gttttccctg acatggtgtc caatcctgaa tttattcact ggctttggtt     300
ccattgaagt ctgagtcccg agcgtccatt tcttcttcag aaccatctgt gttttcaata     360
actctacggc ccccagccct tctggaagga acaaatgaag cctcgtttcc hctcctggtg     420
gctcactgcg aagtttcctg tggggg                                          446
```

<210> 453
<211> 464
<212> DNA
<213> Murine

<400> 453

```
gaattcgttt ctcctgggcc tcgatctgcc ggatgacatc ttccatccag agcatgaggt      60
cacgcaccat gctgaagaag cggaacttgt ctcctgtgtc taccagccgc accctgcgac     120
cctcacaagc atccagcagg gacttccagg cttccaggac ctcattctca cgcttctgga     180
tgtcatcagc cttgtcccct gcataggctg cctggaggcg agctgcatcc tcctgcagct     240
gcctcacctg agtgcccaga gcttggatgt cgtgctcaaa ggtggtgtgc attctctgta     300
aagtttccac agtgttttga tctcttccaa gctcctcagg gagtttcttg tgtttgtcct     360
ggattcggcc aaagatctcc ttggcatcat ggtaaaactt atgaagttca tatgagcasc     420
aagaatctgt gttcttgtgt caatgagctc caggaggtca ccca                      464
```

<210> 454
<211> 369
<212> DNA
<213> Murine

<400> 454

```
gaattcgtgt gtgtgtgtgt gtgtgtctgg agtttacctg ctacatcaga acgaccccg       60
atcccagcca ttgcttgtgg cctctcttta tagtcagata ttgcctttgt gtgaaccctg     120
gaactattga aacacttgtc tcttgttctg ttctgttcag ttgtaatcac tgttacatgt     180
ggagccacac agtcacctcc acgggctgta ggagcwgctt tgtggtctgt gtccatacat     240
gggaccctta cttggagtag gctctaggt catttggcta agaacaagcg agtaacacta      300
gaaacaaagc tctgctgggg tgagctggag awcatggatg ctctgccagg gtgagcagga     360
gawcatgga                                                             369
```

<210> 455
<211> 295

<212> DNA
<213> Murine

<400> 455
gaattcggaa ccttaggcat tgcagtacag accccaaggc taacccacaa cttaaagtgg   60
aaaatcttat rgtttttccc ccttggtcag acacagatat atttgaagaa tttccaaatt   120
tagagttctc aattttgggt acatcaagac ttttaaagta gaatttacgt agtaacagaa   180
gagaaaaatc tgggaccttg aaaacagtac atttcacctc ctttgggsta aaagtcacct   240
tcagtttaag ggsggcattc acagaaaacc tcagctggag catctcgtgg cgcag   295

<210> 456
<211> 391
<212> DNA
<213> Murine

<400> 456
gaattccttt cttccttcct tccttcctcc tggccttcct cttcttcctc cttttcccct   60
tcctcctcct cttccttagc ctcaggagac ttcacgggag acttttcggc ttctggttcc   120
tcctcctttt ctcggcctct tccttctcct ctttggcgga ggctgccaac tcctctgcga   180
tggctgtgag ggtttcttcc atttctgact tctcatcttc cmctttagtt tcttcgatga   240
tctcctccac aaatttgtgt tggaccttga gcttgggggc ctcgactttg gtcttctgaa   300
tcttactgga tattgtgact gagggctgtc ggtgtgtgta cagargcccg gtgatgcttc   360
ctgaaaatgt gctaaatctg gtctcttccc c   391

<210> 457
<211> 308
<212> DNA
<213> Murine

<400> 457
gaattcagtg aatggtggaa atgctctcca gtggggtgtg gagagagcag gaagccagtg   60
ggcaggctgg agcaggtggc tcatggaagg gtgggttagg gaccttcagc ctgacttctc   120
ctggcggggt ggacgtaggg tgggcagaac caggaagccc atgacttcgt ccatgctgcc   180
tcccttctcc cctccttacc cagggtcctg catccttcag scccctatgt ggctgccctg   240
caccccttgcc tgtcccaccc ggatgccatg cacctgtccc cgtcactkgt tccctgcttg   300
gactgcag   308

<210> 458
<211> 206
<212> DNA
<213> Murine

<400> 458
gaattctcag catcatctcg tagtagttgg tgaggttctg ctccacaaag tgaaaggtac   60
ggatactgag ggtctcagaa acaaggccgg ggaggaaggt ggcagctcgg ttgaaggcca   120
tgaagaaagc catttgccca catgtagtaa gtctcgtcat gctgctgcct ctctcccgaa   180
gcagatgatc cttgaccgcc ccatga   206

<210> 459
<211> 383
<212> DNA
<213> Murine

<400> 459
gaattcgatg cttctataac ccaaggaatg ccacggattg ccagcaagtt cagaagttaa   60

123

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gggagatgct tttttaggat cctttccagg gcccctggaa gaaatcaact ctgctgaccc          120
cttgacataa gacttcagag cagtgaatag tctctgctct tttagacatc tggtctgggg          180
tcctatatta gggtagctcc agcaaacttg taacttccct gagcaagtgg ttggcacaga          240
cctgttattt acttaatgca tagttccctt tgtccctata ttacatttac tacagtctca          300
catactacac tttacccatt attcatgagg gtaaacttga tgatcactgt ttattcagca          360
cctagacaga gttggggatc tgc                                                   383


          <210> 460
          <211> 324
          <212> DNA
          <213> Murine


          <400> 460
gaattcgtcg gcttagcagg tcagaaagac gtaagcacag accatggcct atggaagaag           60
ctggactatt aggaacctgt tgtagaaacc caggagaaca tagaagacaa ataagggaaa          120
gtttgggggg atgaaagaat aggggggggtg gcaaagatag ctccatgttc cttgctctga         180
gaacctgagg atagaagttg ccattcattg tcgttgaaag atggaaagga twaaataagg          240
gaaatgtcca gatctgtttg ggagcctgtt gaacatgagg aaaccaaggt ggggtgttca          300
gccctggatg atcgtaggag tctc                                                  324


          <210> 461
          <211> 296
          <212> DNA
          <213> Murine


          <400> 461
gaattcctcg cgtcgcggct gcggagacta gaaggaggac tccggatccg gctcggcgct           60
cgccctcgct cgccatggag aagaccgagc tgatccagaa ggccaagctg ccgagcagg           120
ccgagcgcta cgacgacatg gccacctgca tgaaagccgt gacggagcaa ggcgccgagc          180
tgtccaacga ggagccaacc tgctgtcggt ggsctacaaa acgtkgtagg ggggccgcag          240
tccbcctkga gggtcatctc gagcattgag cagaagaccg acacctcttg atwaga             296


          <210> 462
          <211> 210
          <212> DNA
          <213> Murine


          <400> 462
gaattcagag aatacaatcc aattcactgc tacaattcat agaattcgtc agtgttttct           60
tgagacgctg aggttcactg ttggcagttt ccagtggccg catgtgctgc tcagaaaggc          120
cagcggcaga cagctgcccg gaagaacttt cactgctgga aaactgbtcg ctcccaagga          180
aagcccaagg aaggctgggg ccgtggstca                                            210


          <210> 463
          <211> 303
          <212> DNA
          <213> Murine


          <400> 463
gaattcatca attttgctaa tgatgtcaaa taaagattgg ttgtcaatgg gcagcacaca           60
gtctgcatgc tcattcagtt ccttcatggc cagcatactg ttataaggcg aggtgatggc          120
atcgtcttca ctggaaggat aaaccgctgt cacaaaccgg tacacttctg ggaattcatc          180
ttcaagaacc tttaacagaa atgtgccaag cccagagcct gttcctccgc ccatgggagt          240
ggatgatgaa gaagcactgt aagcaatcgc actgctctgc cgacttccgc agtttctcta          300
aaa                                                                         303
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124

<210> 464
<211> 511
<212> DNA
<213> Murine

<400> 464
gaattccttt ctttctttct tctttctttt ttcctttgga agattttact gcttttatgg   60
tacccccctc actctgtggt gtcgagctgt ccatcagcat cacgtgggtg agtctgggat   120
ctactgactt gacctcacca gtctcagtta tagacacttc cataagacgg gtgactgagt   180
cctgacggct cacaacacca cagagccata cttcctctcc ttcgggttgg tagaccttga   240
ctctgtggcc ctggacacta tagggacctc ggctgaaaat ctcttgtagc ttttggtcac   300
tgatcaaagc attaactgtc tctcttaatg cagcatgttc taaaagaatc tgattttgaa   360
catctgttcc catctggaac agatgcvtcc cattagcatc cgacaggaaa cgaagctctc   420
gatcacaagg tattcaactg gcaccacaga ccccaacscc agcttatcta ctaggggggg   480
tgaaagtcag gghggccact ggghaactgg g   511

<210> 465
<211> 269
<212> DNA
<213> Murine

<400> 465
gaattccccc aatgtactct ctatctatta tatgtgtgca tgatttaaaa atggaggggg   60
agggaggcac aatacaaggg ctaagaaatg gctcagtggc aaacacattc tgcatgcaag   120
catgaagacc tgaatttgaa ttttcagaac ctatgtaaaa gctggaggaa tcgtgtgagt   180
atatgtaatc ccagcacccc tatgggggtaa atgggaaatg ggacaggaag attctgggag   240
ctagagagtc atctagctgr gcataccac   269

<210> 466
<211> 226
<212> DNA
<213> Murine

<400> 466
gaattccctg gagaagcctg gagctccaca tgcagagaaa tgatctgtcc ttgtgtctcg   60
ttctgattaa aaacaaaaac aatcaaataa aaaacaaaat kgaacaacaa ccttagtgta   120
tggcatgaga atgtgaaaac actagagatg atcaggggga tcttcaaatg gaggcagaca   180
gccagtttct gaagagaatt gcagtagctc ggaaagccag tcaccg   226

<210> 467
<211> 220
<212> DNA
<213> Murine

<400> 467
gaattccgca aattccttaa ggaagtggaa gcaatcattg tttactttgc tgctggtctg   60
tgttttacca attgcagtta gtaaacaact agtctaggca tttatgtgct acatgaatat   120
aaccaaacgt gagaaaatag aaactgcaat ttttgagaac tatttttttt taaattccat   180
aggcaggctt ttaaaataaa aacaagtggg tcactttgac   220

<210> 468
<211> 344
<212> DNA
<213> Murine

<400> 468
gaattcgaca tagggaacag gccatccaga caaggagtga gggtggaaat ttttgtattt   60
agagtcacat gtaaattta aagctcaaaa aaataaacta gtaactccat gaaaaaaatg   120
agtgctttgg gggtggggta ggggataaga aagaaaatca gtgaggggcg aatgcccaat   180
tatcacttag catctcttaa ataatttcca ctggaggcag ggtatctttt ccaaagagat   240
gagccccatt ggatggattt gttacagttt taagtgatta aaatcgggac tttacagtac   300
atttgtgggk cttttactag tttttagagt ggtgtttkgc aaat   344

        <210> 469
        <211> 66
        <212> DNA
        <213> Murine

        <400> 469
gaattccaaa ttccctttga gccaggtatg agctcatttt yctacaagca tccaawwgtc   60
ttcttc   66

        <210> 470
        <211> 50
        <212> DNA
        <213> Murine

        <400> 470
ggrattcgtg aggccgaacg ctaaactaag gtacaaacgg cttaggccta   50

        <210> 471
        <211> 101
        <212> DNA
        <213> Murine

        <400> 471
gaattccaga ggggaagccc gaaaacctgc tgtgcttcct ggagttggca tggcggctcg   60
cccasggggc tcctcgcaca gactgactgg ggagggtgag t   101

        <210> 472
        <211> 213
        <212> DNA
        <213> Murine

        <400> 472
gaattcctgg ggctctgagg atccctttc ttcctcttcc actttgacct ctgttaagga   60
tycacctgca tcccsgaaah tgccacattc tgccactcaa aatttgcatc atttcgggag   120
gsaawttttt catctatgtc ttcagtgaga gagtcatcta gatcagacgt gggsagagga   180
acccagaacc aacgagckty atgttggcct cat   213

        <210> 473
        <211> 188
        <212> DNA
        <213> Murine

        <400> 473
gaattcgaaa gagggaagaa tgaagcctga gctgaaccct aaataatatg tcagaaaatg   60
acaacttgcc tccctctaga ctatttcatt tgaaagattt gctaggttac attagggctt   120
gggatagatt tttctgggaa tggggsccta acccmcmgac ttaaaaaatg scccgsttc   180
mcagttct   188

126

<210> 474
<211> 184
<212> DNA
<213> Murine

<400> 474
gaattctttt ttttttttt aaaaaaatag tatgtatagt gtgtgtacat gtgtataagc   60
tcaagtaaga aagccagagg agactggsct tgtctgttct gctctccacc attaagccct   120
tgagacaggg tctctcacta tacctgatgc gatagccagc aaactccagt aaccctacac   180
ccag   .184

<210> 475
<211> 319
<212> DNA
<213> Murine

<400> 475
gaattcgagt agattcccag tgctcaccat gagggaaaca atgttactat acctttccta   60
tgaggaaagc cgggtaaacg tagaggtcct ctgtcatgtc tttaaacata gtttgagtag   120
acagcaatgc tctttaccta gcttagtgtt ctgatggcaa aatattgtat attgtgataa   180
ttatgtccta tttatttgag attcttgttt aaaatttaaa aaacaaaaaa acaaatdaaa   240
attttttgc tatgccctag atgtagggct ttttttttcca accaaaggtc tacaaaagtt   300
tctatagaaa ctgtgattg   319

<210> 476
<211> 401
<212> DNA
<213> Murine

<400> 476
gaattccacg aggggcttcg gaaaggaatg ttttctggaa gtccttccac atagagatca   60
ttgggatggg cctcaaattt ttggtacggt acagccttgg cttccgtgct tcccaaggcc   120
tcggcaaatt tcttgcagaa gagctggtca accatcttcc tcagtttggt gatvcgagcg   180
taccactctt ctttcactcc tgaggctggt ttatcaagct gtaaatcttc tcgtgttgag   240
ttcagaagct catgtttctt aatcacgaag cggatccttt ccttcdccag caatatcctc   300
tcaaggcgag gaattccgta cgtcgacgcc ttctaaaagg aatcccttya ggaagyyctt   360
ctacgtaaag atcttcaaca tgggactgga aaagagggta c   401

<210> 477
<211> 385
<212> DNA
<213> Murine

<400> 477
gaattcctgg gattaaaggc gtrcaccacc acgcccggct caggccagaa cctttacaca   60
tgcttaacta aaactagtga aaaatgcatc ttaaaaacaa gaaattccca aaatacaact   120
cagaaattac tccacccat aaatgcagca aaaaatcatc tgatctattt taccagttac   180
taagcaaggt atagtggcag agacctgtaa ttcaggggg cagaggatgt cacaaattca   240
aagccagtct ggtctacata gcaagtctgc cccaactcaa tgcattacaa aatgacccc   300
ctccccgacc tctcaaaaca aaacaaaaca cacaamacac aaagcccama caactcatta   360
gtaaaacaat ttgataattt atatt   385

<210> 478
<211> 391
<212> DNA

127

<213> Murine

<400> 478
```
gaattccact ctaatttttt caaagtaaac gcttcgggcc ccgcgggaca ctcagctaag      60
agcatcgagg gggcgccgag aggcaagggg cggggacggc ggtgactcgc ctcgcggcgg     120
accgcccgcc cgctcccaag atccaactac gagctttta actgcagcaa ctttaatata     180
cgctattgga gctggaatta ccgcggctgc tggcaccaga cttgccctcc aatggatcct     240
cgttaaagga tttaaagtgg actcattcca attacagggc ctcgaaagag tcctgtatwg     300
taahhhaagt cactacctcc ccgggtcggg agtgggtaat ttgagmgcct gcgccttcct     360
tggatgtggw aghcgtttct caggctccct c                                    391
```

<210> 479
<211> 443
<212> DNA
<213> Murine

<400> 479
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gaattccaca tctcaagaaa ctcaaagaat catactgtca aagacaggga gttccaatga      60
attcactcag gtttctcttt gaaggtcaga gaattgctga taatcatact ccgaaagaac     120
tgggaatgga ggaagaagat gtgattgaag tttatcagga acaaacgggg ggtcactcga     180
cggtttagat aattcttttt attttttatt tttccttccc ctcaatcctt ttttattttt     240
aaaaatagtt cttttgtaat gtggtgttca aaatgaaaat tgaatactgg cactccatct     300
cttagaacat atgaattcta gtgttcaata ttcattattg gttgtttttg ttgtgctgat     360
ttttvgtgat cagacctcag cccccttaata ctgccctttt gccctttaag agatttcatg    420
tgtgcacaga gaggccaccc ttt                                              443
```

<210> 480
<211> 382
<212> DNA
<213> Murine

<400> 480
```
gaattcgatt cacagttgcc ccagagcaga gtgtgccctt ccacaaagcc ctagaggact      60
ggcagtatga catgatgcca ggatgaagct gtgatgtgga cgagaagata gaccggctgg     120
agtgagggag ggaacctcag cttggtcagg ccttgcaagt gagggcagac ggacagggtg     180
acctggctac tagactaggg tggcatttct tctgaatgat ccctgtgcct tcccagagaa     240
aggtgggaga aataaaggac agggtgggaa ggcaagggag gtgacagagc cagctccgtt     300
atctccccag gcctccacag caggggtatc tgtcagttcc atgcacccca gatctgggcc     360
caadcctgag ggtccccacc ct                                               382
```

<210> 481
<211> 521
<212> DNA
<213> Murine

<400> 481
```
gaattcaaag cagctatggg cagcagcctc ctactagtta ccccctcag actggatcct       60
acagccaggc tccaagtcaa tatagccaac agagcagcag ctacgggcag cagagttcat      120
tccgacagga ccaccccagt agcatgggtg tttatgggca ggagtctgga ggattttccg      180
gaccaggaga gaaccggagc ttgagtggcc ctgataaccg gggcagggga agaggggat       240
ttgatcgtgg aggcatgagc agaggtgggc ggggaggagg accgtggact sgggtaagag      300
caaaaccttt ctcctttat ctaattttgt ttcatccata ggattttcaa tggaaagaag      360
ggactgaaag acataagaaa tttatcccac ttttcatgga caatctattc sdcaagctat      420
ctcctaaaac atggaaatgt catttaagtg cagtttgctt ttttccctgc cagtaaccat      480
tgttgggctg ggtgaacaaa gaatgctttg aaactagagc t                         521
```

128

```
<210> 482
<211> 347
<212> DNA
<213> Murine

<400> 482
gaattcgttt atattcttat cctcccagga tttggaatta tttcacatgt agttacttac      60
tactccggaa aaaaagaacc tttcggctat ataggaatag tatgagcaat aatgtctatt     120
ggctttctag gctttattgt atgagcccac cacatattca cagtaggatt agatgtagac     180
acacgatctt actttacatc agccactata attatcgcaa ttcctaccgg tgtcaaagta     240
tttagctgac ttgcaaccct acacggaggt aatattaaat gatctccagc tatactatga     300
gccttaggct ttattttctt atttacagtt ggtggctcta tggaggt                  347


<210> 483
<211> 343
<212> DNA
<213> Murine

<400> 483
gaattcatcg ggaatagtgg gtactgcact aagtatttta attcgagcag aattaggtca      60
accaggtgcc tttttaggaga tgaccaaatt tacaatgtta tcgtaactgc ccatgctttt     120
gttataattt tcttcatagt aataccaata ataattggag ctttggaaaa ctgacttgtc     180
ccactaataa tcggagcccc agatatagca ttcccacgaa taaataatat aagtttttga     240
ctcctaccac catcatttct ccttctccta gcatcatcaa tagtagaagc aggagcagga     300
acghtgaaca gtctacccac ctcthgccgg aaatctagcc cat                      343


<210> 484
<211> 386
<212> DNA
<213> Murine

<400> 484
gaattcgttt tgggatagca tttgaaatgt aaatgaagaa aatacctaat taaaaaaaaa      60
ctttaaaaat taaaaaaaaa aaggaatgtg tgctggctgg gtgggtgagt gatgctgggt     120
ggttggtggt ggtccacacc tctaatccca gcttccggta gaggtgggca gatctctgag     180
ttccaggcca gactggtcta tagagccagc tgcagaacaa ccaggactac acagagaaac     240
actgtctcaa aaaacaacaa caaaatgtat gtctagcctc tthgccaact ctgtactctt     300
aactgtttga taaactgagt catagaagaa gcygtgaaat ctataatgcb acactatgaa     360
aggaccaggr aagcgccagt ctgcct                                         386


<210> 485
<211> 518
<212> DNA
<213> Murine

<400> 485
gaattcctta tgaaatattc tgcatactta aatgaagctg gactacagtg ttctacgata      60
tcatcgaaga tgcacaatcc ccattgtctg tctggccatg gtctttgcgg acaaatcagg     120
ttgacaatta atgggagcag ctgttcaaac cacggcaaca ccttttcttt gtagctactg     180
aatattgagt gtaaatatc cgacactta gtcagtatat aaacatcatt atcatcctca      240
tcttgtagtg actcttcaac ctgctcgtca tagtcttcat cttgtctttt aacttgccgc     300
aactcctgat ttttgaaatg tkcttcaagc ttcgccttca ggatgcctcc cagctcctca     360
aagtgctcat tgttgaggca cccgtctccc atgacctcaa tgcactttgc aaaggaatgc     420
atgatctccg agaggacatc tgagtcgggc tctgtgccga tggccttgat gagagcmcgc     480
acatgaagtg ccacatctgt gtaaggtacc sggacccc                            518
```

129

<210> 486
<211> 528
<212> DNA
<213> Murine

<400> 486
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gaattccccg gctcgagcag ccgctttttt tttttwmwc ttttagtgga cctgagagtt      60
aaatcaaggg ccttgtgcat gctcacagta caccctactg ctgagctata tctccagacc     120
cagaatctat ttagtttata aataacttcc taatgcctgt ctaatgatgc atatcttaaa     180
taagtaaata tgttaaataa aacagtattc attttagttt taagtaatag gctatcttga     240
atttttagtt taaggtaaat caaataaaat taagactata aatgaatcct acttctatta    .300
tttatcatac tgtatattga cttatgcttt tatattttaa cattggcatt caagtcatat     360
gaatcatgta aaattggctg cttttaacta ttgtagtttg ttatttgagt ggtattctat     420
gttgcttaga ttttaactgt gccatgtgtt ttatagttta tatggtttta tcctgattat     480
cttttgtaa atgtgggagc taagaactta aagaattttg aaaatcga                   528
```

<210> 487
<211> 396
<212> DNA
<213> Murine

<400> 487
```
gaattactga tttgtgttgc tttaacaaca gcagactcat acatctcctt tttagtrggc      60
tgaaccctgt atctgaataa taagggatcg attgcatctt tcttcttccc atggtgaaaa     120
gactgctttg tgtttccgag tcgtcactgt ccctgatgac aatcgtctct ccatcagcac     180
tgctcaggtg thcgttagca aaaccattct gatgtaatgg agggaggact tccaagattc     240
tacactgcwg ccttgtgcca ttgtttccga atgacttcca cagtctcttc aacaaaatat     300
cggtccttga cataggcaaa gatatcatca cagatttcat gcaadcgtga acacgagtaa     360
ggttggtcag gtataaaacg gaataattag tggttc                               396
```

<210> 488
<211> 388
<212> DNA
<213> Murine

<400> 488
```
gaattctttta cagatgattg tgaacaacca tgtgcttgtt aggaatagaa ctcaggactt      60
ctgaaagagc agtcagtgcg accatctctc cagccatgtt ttacctgttt ataaagtggg     120
gctgtgtatt tagaagggtg aacacagtag agagagtatg tttctgcgtc ctggccattt     180
gtgaactaga tgcccagcgg ctggtcctcc tccatcccct ccttcctgtt tcagtcaatt     240
ctagtgtaga tggcatttt aagtccatgt ttttatgttt tctggttaat ggttatcctt     300
cagatggtaa ttcttaccct tgtatttggg cagagcaaaa aggctttggc tctagactgg     360
ccagcagttt acctggataa rggtactt                                        388
```

<210> 489
<211> 420
<212> DNA
<213> Murine

<400> 489
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gaattcttgg ggttagtgag gtcaacttcc tcggagtcgt agtctgagag gatccacggg      60
aagacagggt actgcatgag gtcattgtaa gatctgcctg ccagcgtgtt caagtgcatc     120
aaatactgga agttgctgat ttcacctctc tcccatctct gagtcacaga cttctctcca     180
accagagtgc tgagtaaccc agacccttgt tccacactgg tgtttggtct ctgtccggac     240
acagactccg agctgtccgt gagagagggc acaactgcca ggaacctttg gtagacttta     300
```

130

```
ttccgaatdc ccttttgaaa agccaggagg tagttccgtc catctccaga gaaaacttca     360
acagcgatag gctggaggag atatctcctt ttatgcacct ccttgatgtc ttcatatgca     420


        <210> 490
        <211> 367
        <212> DNA
        <213> Murine


        <400> 490
gaattctttt tttttaaaaa tgacaataca aaagtacctt tacacaattt ataaaagcat      60
aattgatgat aaagcaagta ggagtctcac agtcaagtgg cacggggggct ggggccatga     120
gcagtccctg aacaccagct tggatgtcta agttcccagt gctgcctgcc cccgtmctct     180
agtttacagt gaaaaggccc atattccagg ccttggtgtt tcttttttta aacctttaaa     240
aacttgacat tacttctcat gaaaaaataa tgaaataacc ctcccaaacm actgacaaaa     300
atmattaaaa wwtgaccctt ttthamcaca acacaagcrg atcaaaamca aaggttccaa     360
aggattg                                                                367


        <210> 491
        <211> 271
        <212> DNA
        <213> Murine


        <400> 491
gaattccccg gctcgagcgg cccctttttt tttttttttt taaatttttg gttttttcgag      60
acagggtttc tctttatagc cctggctgtc ctggaactca ctctgtagac caggctggcc     120
ttgaactcag aaatccacct gcctctgcct cctgagtgct gggattaaag gagtgcgcca     180
ccacgcccag cttatgggac cccctttttca ttgtagtctg gggtacaagt acagaagccc     240
ttgaggggct ctgaacctgt actgcccccca g                                    271


        <210> 492
        <211> 378
        <212> DNA
        <213> Murine


        <400> 492
gaattcgcac agagcatctg tacatccctc agaactcaga gtgaacatgc tcagaatctg      60
gctctgacgg gtgatttgaa gaatctgtgt ttgaagcact tgactcatca actggttcaa     120
atggtcgcaa gtttgcatat gtcacctctt gggctagttg ctctagggaa gggcggccta     180
atagcaggtt tcggagtgaa attcgagtca tcaggaagct gcgtcgaaag acgtagagct     240
ttcgcagcac gaagcggaga aatcgctcat ggaaagggct atttcgcctg cgttcaattt     300
cttggagctt cctctgtcgt ctgagaaaag tttggaccag aagtgttggc tcagggcccc     360
ttttcttccc ttccaaag                                                    378


        <210> 493
        <211> 459
        <212> DNA
        <213> Murine


        <400> 493
gaattccctt tactcatatt tatctcctta tttttaagag atttgttttc ttttaaaaat      60
ctgtgtgtgt ctgtgtgtgt ggagtgtgtc agaaaaggcc agaagagggt gtcaggtccc     120
ctggggctgg agttactggc tgaggtgagc tgcctcaaac agggctggga actgaactca     180
ggttgtctgc agaaacagaa agtgctctta actactgagc cacctctttr gccctctgcc     240
aatgtttagt ctaaccacta tttctaagct tctggttctc tgtgtacagc acaggaataa     300
aaacaacatc taaggctggr aaartggcac dcacctttaa tccagcactt gagaggcaga     360


                                131
```

```
ggcaggggga tcgaggccag cctggtctac agagtagtcc aggacagcca tgtagaaaaa      420
ctaataatga taacaacaac aacaaccacc accaaaccc                             459


        <210> 494
        <211> 135
        <212> DNA
        <213> Murine


        <400> 494
gaatwcgtgt mgtggtctcc gaacdgcccg gaagcdccgc agtcaccgac gggaccagaa       60
gtggcatgac aaacagtaca agaaarvvca cttgggcaca gcctgaaggc caatcgtttg      120
ggggttctca tgcaa                                                       135


        <210> 495
        <211> 326
        <212> DNA
        <213> Murine


        <400> 495
gaattacttt gatgataatc cacacaatat tgatgtgaat aaattaaagg tgttaatttc       60
caaagtataa ttacaaaaat aaaagtaaca gactggaaga gtattattta atggtctacc      120
aaagatctat aagcaagagt tttggggaag aaataacact attttgtatt tcactatatt      180
cattttaaac taaagcttgt aatctctatt tttaaaatca cattatatca ctttcttttt      240
tttttttttt gggttttwgt ttttttttwc gagacaaggg tttctctgta tagccctggc      300
tgtcctggaa tcactttgta gatcag                                           326


        <210> 496
        <211> 247
        <212> DNA
        <213> Murine


        <400> 496
gaattcctga ggagtccctg ggtcaatggc agcagaggag ctgcggcccc agatcacagt       60
atggcactca cacattttca agccagaact gaacagagga gttcgtaact cggtttattc      120
aggcgatatt ttggctatat tcagtgtgga tagcgatgct tcagagcaaa cacaaatcta      180
tgagaagtca gaggtagctt ttatcatctg tctaaaaggt ttaaagaaac caccttctgt      240
atgtgat                                                                247


        <210> 497
        <211> 302
        <212> DNA
        <213> Murine


        <400> 497
gaattcgatg tgtgtcctac atgctggtgg ttttacccct acctgctgcc catgctcttt       60
cctgcttctc ggtaaggccg agcaacaagg gtttacagga aaccgagatt cttcccgagg      120
ctctcttggg ctcctagtga gggactcagt gagcgggagc ccttggaaaa gaagacggca      180
gagctgaagt gaaaagcagt ctcttcagga gggatgttcc ctcacccctt cacagcacca      240
aagtttcttt gcaaaatagg gtctgagcta caaaagggag gcagatgtgc ttgtgaatgc      300
at                                                                     302


        <210> 498
        <211> 310
        <212> DNA
        <213> Murine
```

132

<400> 498

```
gaattccccca cagcagaagg gaggagacag ccaagaaaga gtgagctgaa agtcaggcca      60
ggataaagtt ctacccagaa gtgtctgaga gccatcaagc cttgtccacc atgatgggct      120
ccatccttca aaccatagcc agaacaggct ctttctctgg taagttgctt ctgtcaggaa      180
attcatctct gcaatgagta aagttcctcc tgcacctgca gaggatgggc aagcaccggg      240
gagtctaggg gtcatccagc ccacctgccc cgcaggbctg agctagactg agtgagaaag      300
ggagcacaaa                                                              310
```

<210> 499
<211> 366
<212> DNA
<213> Murine

<400> 499

```
gaattccccg gctcgagcgg ccgctttttt tttttttttt tttgtaaaaa gaaacatgat      60
tctttattga aggaacagcc gccatacaaa gatctattgc ttcctacacc gctacactca      120
gaaggaagcc gagaaagcta caatagggsg mgcatgcaga accacaaact ggaaagcaga      180
gagatcctct aaggcacgga ctggagcctg ttttcccagc ctctatgtcc agtgcctctc      240
tcagcccagg gagagcaggg gaaggcaagg ttgttctctc ctgcaccaga cacttagatt      300
tctctctaag aagaaaccac ttttccatcc actgattcct ccacactgat.atggaaattg      360
ctgctg                                                                  366
```

<210> 500
<211> 384
<212> DNA
<213> Murine

<400> 500

```
gaattccttt tctacaatgg tgctcacaga gacctgctta cactgtagct gcttaataaa      60
atccttcact tgcatgacca tgttctgagc aatatttatc tccagctcag tgtgcctcct      120
cttcatgttc tgcagttgtt ggtcagcatc ctgcaggtaa atccagagct cggccttcag      180
gctcttgatc tcctcccagc cctgagttaa gttctgtgct tggaccagcc tttgttcaat      240
cagctgctct gtttgctgaa tatcttttgc tgtgtttttc actgaggagt ttgacaagtc      300
acacatggag caaaggagat ccaagtaggt cctggcctgc tcttgcaaag ctctgaagtg      360
tttgacctgc ttaacagctt ctgc                                              384
```

<210> 501
<211> 400
<212> DNA
<213> Murine

<400> 501

```
gaattccctc tttaaaggct ttgtcacaac aaacagagta aagtttacct cccagaacca      60
cctttcccac atgcagaggt aagaaaatac caaaagggcc caaacgaaat gtgggtggtg      120
gtgtgacata ggatagtggc agtcttcatg cctaaaacag ccctaggtag agccaggtag      180
agtggcaaac cctgtaaacc cagcactacg ggagcagaca ggtgtgagtt ccaggccagc      240
ctgggatcca gcaacactaa gtcttaaact atacatgcgc atkckckcck cacacacaca      300
cdckctgtga aagggggctga gtaaggtaca gacctttaat cccagcctgg ggaggcagag      360
acaggccagc ctggtttaca aagtgaattc cmggccagtc                             400
```

<210> 502
<211> 432
<212> DNA
<213> Murine

133

<400> 502

```
gaattcatta tccttcgcct aggacgtgtc actccctgat tggctgcagc ccatcggccg      60
agttgacgtc acggggaagg cagagcacat ggagtggaga acgaccctcg gcacatgcgc     120
agattatttg tttaccactt agaacacagc tgtcagcgcc atcttgtaac ggcgaatgtg     180
ggcgcggctc ccaacatctc cccctttcct tttaataaga gcaaataggc cacccatatt     240
aatgagagtg gagatagagg tcaaatcccc agtgtgtagg taaaggagcc atgtacagga     300
ttagctctta ggctcacagg cttttaccca gagcaaccct gacctgctcc cgtgtcgttt     360
ttcctggggg aagggaacta ggacactgaa ccttcatgaa agatgacatg tctccctaga     420
ataggctcat at                                                         432
```

<210> 503
<211> 416
<212> DNA
<213> Murine

<400> 503

```
gaattcaaaa aaaacaacaa cattggctta agttcatcct gatttcacat ttaaaaagaa      60
tactggagcc gggcgtggtg gcgcacvcct ttaatcccag gtctcgggag gtagaggcag     120
gtggatttct gagttggagg ttggcctgat ctacaaagtg agttccagga cagccagggc     180
tacacagaga aaccctgtct caaaaagaaa aaaawaaaa aaaaaaaaa agaatcatgg     240
gtcagtgagt ggaggtactt accctaaatc tggcatcctg aatttgattt ccaggactca     300
ctggtagagg gaaacmdctg actcctgcaa gttgtccttt gatctctata tgtgggttgt     360
ggcatgtgta tccctgatgg gcaataattc accaagtaaa ttaattaaaa tataat        416
```

<210> 504
<211> 434
<212> DNA
<213> Murine

<400> 504

```
gaattccaga aagcacacag cacaataatc ttaagcacta ttgaggaaag gagagccct      60
gatcaggcta cctttggtct cttaaaggct cctgagtact agtgggacat ggaaactctc     120
cattactgag ttgtttcagt gtcattctag cttcctgatg agatggcatc taatgggaaa     180
atgaactcgc ttggctccca caaggagagg ggaacactta gctgctgcct gtctctaaag     240
gcatgactgt gtagcacttc actacccct gaactactag cattagaatc tagtttcaaa     300
aggaagaaca aaggraccct cgattgctaa cagtatgtaa aggtgcaggc ggtagcaggg     360
aggaggactg atgtgtagta gcatgaaatc tggaatgagg ttttcatgag aagccacact     420
aacttatgag tcac                                                       434
```

<210> 505
<211> 423
<212> DNA
<213> Murine

<400> 505

```
gaattcggcg atcccaagct tgctggttcc tttaagcagg ctgacaatcg ttctttccta      60
atgaagtggg ttaatacttt ctcctaaatt tccattgatt caaatgaaaa cttggtctgt     120
gttccagggg tgtaaactcc aaagagagtg tattaaatct gattcctatt ttgtacgttt     180
aatttctgga ctcagcacct tagaagctgt gactggctgt gttcttagca tggcaggaaa     240
tactttcagt ggatttaaaa amvctgtaga aacgatgagt agttgagtca ctacgtcttt     300
tcaaagcatg ttaaaactac ctccagaaat aggtttgcgt ttaatcaaaa agcaaacagc     360
agtttggagt tagggactga aaatgaaagg agaaaggttg agagctatga cccagcccgg     420
gcc                                                                   423
```

<210> 506

<211> 240
<212> DNA
<213> Murine

<400> 506
gaattcggca gcatcatccc tcctgaggct tccgttgaca atctgcccag tcactgggtg   60
gattagacca gcttgcagaa ttccagacaa gtccataccg agagctcctt gaagtgaact   120
gatagcacca atcttagggg ygcdggcact cactgggaaa ggagatgtgg ctcctggaga   180
cccctctgag gagcaggaga ggtctatagc tgactcccca tgccagccat tgaggacaat   240

<210> 507
<211> 136
<212> DNA
<213> Murine

<400> 507
gaattcgttt tttgagacag ggtttttctg tatagctctg gctgtcctgg aactcacttt   60
gtagaccaga ctggcctcga attcagaaat ccgcccgcct ctgtctcctg agtgctgaga   120
ttaaaggcgt gcacca   136

<210> 508
<211> 267
<212> DNA
<213> Murine

<400> 508
gaattcggcg ccgtagccat catgaatgac acagtaacca tccggaccag gaagttcatg   60
accaaccgtc tgcttcagag gaaacagatg gtcattgatg tccttcatcc tgggaaggca   120
acagtaccaa agacagaaat tcgggaaaag ctggccaaaa tgtacaaaac cacaccagat   180
gtcatctttg tatttggatt cagaacccac ttcggtggtg gcaagaccac tggcttkggc   240
atgatctatg atyctttaga ttatgca   267

<210> 509
<211> 386
<212> DNA
<213> Murine

<400> 509
gaattcgtgg ttgtgagcca ccatgtggtt gctgggatcc gaactcagga cctttggaag   60
agcagtcagt gctcttaacc gctgagccat ctcaccagcc cctacttgtc agatctttgg   120
aaataaaact ctctacttat ccctgaggcc attaggtttg ccagccagtg gctatacctg   180
acaagccaca gcatggtccc ttatataaca tgaaagtggg aacaaataat gagactacta   240
aagggaggaa caagataggg caatggtggc aggaaacaaa attgttccat tctctctcac   300
aagggcaatc taggtttaaa aacagtgagt atttgtgtga aaccaaaact bgagagaaga   360
aggggggtcag tgagagagga aagaga   386

<210> 510
<211> 447
<212> DNA
<213> Murine

<400> 510
gaattcgttc cttcttccac ataccgtcca aaaagaacat gcatggtccc cagaccagaa   60
gtaacaacac tgcctaaaaa cttgctagaa aaggacaatg accccacccc agatctacag   120
aatgagaaac tgtctgggtt ttaacagacc agataagtgt gctttaacaa gcttgagaac   180

135

```
ctgaagcaca ccatcctttt cagccgagaa gccacgaggg ggagtacaac ttaacagcca    240
tgggtatctg ttatgccaag gtcaaaggta gcatcctctg aggagactcc agggagtact    300
gggaacmaca ctcagaggag aaatwaccac cacagagcag gagggagaaa gagaagtagt    360
gtattaggac accaaagaga tagagtctcc caggattgat gctggcttag aagccagagc    420
aaaagatatc cmgtgttgtt atctttc                                        447


        <210> 511
        <211> 319
        <212> DNA
        <213> Murine


        <400> 511
gaattccata aacccaaatc tctgcccagg gtgatgggta caggcaaccc ctctttggtc     60
tccacctaac agcccctttc tcctgcagta tgaagcacat ctcctgtcct ctgctcatct    120
tgcatgccga ggatgatcca gttgtgccct ttcatctcgg tagaaagcta tacaacattg    180
ctgcaccatc tcggagtttc cgagacttca aagtccagtt tatcccecttt cactcagacc    240
ttggctacag acataaatac atctacaaga gcccagagct tccaaggata ctgagggaat    300
tcctagggaa gtcgaaccc                                                 319


        <210> 512
        <211> 281
        <212> DNA
        <213> Murine


        <400> 512
gaattctcgc attcctcctc ctccgctcgc tcttccacct ccatctcctc ctgctctgcc     60
cggtccacgt cgtggatgcc caccaggaga ctgtaatcca tgatcttcag ctgggccagg    120
aactcaacgt cccgcttcag tttttccagg aagttctttt tgctctcttc tcccacgtgc    180
agcttctgcc ctthgttgag gaagtcatta tctttgaaag ttggcaagtc cttagccttt    240
hhcttgtcac hgcttctctg gcaacagtgg aacccttcag g                        281


        <210> 513
        <211> 301
        <212> DNA
        <213> Murine


        <400> 513
gaattccttt tctttttttct ttttcttcct tctaatctct ccccaggtat tcctacctga     60
ccttaacttt tcctcgggtt caagacccett ggaaaggcct gtatacttac cgtttctcct    120
tgctcctact ctctctcccc gctttacthc ygatagactg tcctgaattt cctctagaat    180
tttcagccct atcttaagca ctatataaca wgtgaaaagg racaaaaggg cktctaacac    240
tagaaaaatt taaggccaaa cataacttgt aaagccattt tccactttac ttctgataga    300
c                                                                    301


        <210> 514
        <211> 391
        <212> DNA
        <213> Murine


        <400> 514
gaattccttt cttccttcct tccttcctcc tggccttcct cttcttcctc cttttcccct     60
tcctcctcct cttccttagc ctcaggagac ttcacgggag acttttcggc ttctggttcc    120
tcctcctttt ctcggcctct tccttctcct ctttggcgga ggctgccaac tcctctgcga    180
tggctgtgag ggtttcttcc atttctgact tctcatcttc cmctttagtt tcttcgatga    240
tctcctccac aaatttgtgt tggaccttga gcttggggggc ctcgactttg tcttctgaa     300
```

136

```
tcttactgga tattgtgact gagggctgtc ggtgtgtgta cagargcccg gtgatgcttc     360
ctgaaaatgt gctaaatctg gtctcttccc c                                    391


        <210> 515
        <211> 246
        <212> DNA
        <213> Murine


        <400> 515
gaattcccgg ctcgagcggc cccttttttt tggggggggag acgggggctc agggtgtgaa     60
catgaggtga gacctggcat ggcagggctg agtcgtgcct gctgtcagcc cctctctgtc     120
cttcccgagg ctgaggggggr actcaagctc ccttccccag cagagcccac ccacccaccc     180
hgccttcaaa gcccccttg gagagttaac tgtccgtgtg aggcgctcac tcaaccaata     240
agcccc                                                               246


        <210> 516
        <211> 439
        <212> DNA
        <213> Murine


        <400> 516
gaattcgtat ttaaaatgac cacttcaatg caggaacctg ccgtgccagg cacttagcat     60
gctgggcatt tggctctcag cttgtccaga cgctacagca gcagcagcac aagtctcagg     120
atcatcatga ggctgagtca caggaagagg aagacagagg gacagtcacg ctgatggaca     180
ggcctgctgt gtactgccct gtcatgtccc tgtgctgtgg gctctgaggg ctctgtcacm     240
gcccttctca gaggaagcaa gggggactca ttttactgtg tcccaacttc ccagatgcaa     300
cttgaaaata ttcccttaar vvtgcaacta gaccagcagg cattactttc ttggacctct     360
taaatctcac amccattatg gtggccagga agaaactgta aacaatgaca ctttgacatc     420
ccgttgtcat tggagacac                                                 439


        <210> 517
        <211> 415
        <212> DNA
        <213> Murine


        <400> 517
gaattcgtaa tccactaata tttatgggtg ttatcacaag tataacaata agatggtcaa     60
ctacaaaaaa caataaaaca gttgcccaaa tagcagcgta cccctacgtt agcacagcca     120
ggtataaaga tccgtagcca caccaaactc tacaactgac tgttaagtgg cataacagta     180
aatagaggaa caacccatgt tcagggatta gtgagagggt ccagatgtta gaagctgcrc     240
ctcctcccca ctccttgtac tcactccatc acttaatgca actaaagcgt gttcttcttt     300
cctttttchct cctatctgac aatgtatgct gatattaatt tgaagvcaat agccccaact     360
gccttgaaaa caaagaagta ttatgagttg tttgaacaca tgggkattaa aaaac         415


        <210> 518
        <211> 61
        <212> DNA
        <213> Murine


        <400> 518
gaattcgcgc gctgtcttcc cgctcgcgtc agggacctgc ccgactcagc ggccgccatg     60
g                                                                    61


        <210> 519
        <211> 393
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<212> DNA
<213> Murine

<400> 519
gaattcttct cgcgtgcgtc tcacaataca gctccccctc cacgaagaag tagcctttct   60
gcttgaggtt gaggttacag tcggcacaca caaagcactc ggggtgccgg tacttatccc   120
gggccttgac gacagcacct acaataccac tcccacactt gtcacagagc ggcatcctct   180
gggcactgcc agccccaccg tggactttcg taaccggagc cctcacgctt cgagttccag   240
ccggacggtc atcaggcccg tcattcacca gatcctgcag caccctgaag gagcccgact   300
ggcgaggagc vgctgggtca tcccggttgt catggagcat cggtacacgt ccgactgagg   360
gggcactgaa gcygtggggt cattttgcag tga   393

<210> 520
<211> 434
<212> DNA
<213> Murine

<400> 520
gaattcggtt tgaatatgct tggcccatgt gaagtggcac tattaggata tgtggccttg   60
ttggagtagt tgtggctttg ttgtaggaag tgcatcactt tgggggtgtg ctttgaagct   120
ccgcrcagtg ggaaagagac cctcctagct gcaggggcga aagtttgttc ctggcttcct   180
ttggatgaag atgtaaaatt ctcagcccct tcadcgccat gcctgcctag atgctgctgt   240
gagtcctgcc atgatgataa tagactaaac ctcagaaccg ataagccagt atcaattaaa   300
tgttgtcctt tataagagth gcctcagtca tggtatctgt tcactgcaat gaaaccctaa   360
gtaagacact aacagaaact ataatcattt gaggagaacc acaattgaga aaatgcctcc   420
ataaaactgg tgtg   434

<210> 521
<211> 300
<212> DNA
<213> Murine

<400> 521
gaattcgaga gaacgaacta cccagcagct caggtcagtc acctttcccc atcccctacc   60
cctgcctgca ggtttgttcc attgtgctga ggaatgtccc tgcctctggg atgacatcca   120
ggtggtataa atggaaaagt gacaaattat tcctttgctc tagtgtaggc attgctgtaa   180
ttagtagcaa gttggaacct taggaaaaaa aaatctcacc ggagtgtgaa gatgcattct   240
aatcctcagt ctgcagagta aataaagtgt cacaccagta gcctdcccga ggccacttct   300

<210> 522
<211> 495
<212> DNA
<213> Murine

<400> 522
gattcaacac tcctcgtccc cattctaatc gccatagcct tcctaacatt agtagaacgc   60
aaaatcttag ggtacataca actacgaaaa ggccctaaca ttgttggtcc atacggcatt   120
ttacaaccat ttgcagacgc cataaaatta tttataaaag aaccaatacs ccctttaaca   180
acctctatat ccttatttat tattgcacct accctatcac tcacactagc attaagtcta   240
tgagttcccc taccaatacc acacccatta attaatttaa acctagggat tttatttatt   300
ttagcaacat ctagcctatc agtttactcc attctatgat caggatgagc ctcaaactcc   360
aaatactcac tattcggagc tttacvagcc gtagcccaaa caatttcata tgaagtaacc   420
atagctatta tccttttatc agttctatta ataaatggat cctactctct acaaacactt   480
attacaaccc aagac   495

138

```
<210> 523
<211> 393
<212> DNA
<213> Murine

<400> 523
gaattcgttt ttgtactgtt aacattaaca attttttttt ttttaattca aaagattcca        60
ggctttcttg acactatctt tactctttat atactcagga ggtggtgctc caagggcaaa       120
gaatattaca acwgacttag ccaatttaac tgctccagct gggaatacac tctaaacaga       180
acccctacaa tcagagtcct atggctctct ctgaagagca atgtaaatca aacattagca       240
catttctatt acctgcttaa atgttcgaag tctatccagt gtcctctgtc tctcttggct       300
aacccaggca ctttttcttt cctcttcatc atgcaatttg tctctctttta tttgtattgt     360
atgatgggct ctatattcat cttcactctg aaa                                    393


<210> 524
<211> 244
<212> DNA
<213> Murine

<400> 524
gaattcgtgg gtcagaagca gctttcatgt tagttcttga tttctacctt actgagtttm        60
ctgttattat actacatact ccagactagc tggacccttg agcttctggc cagctcctct       120
gtgtctaccc caaccatgct gtacgagtac tgagattaca tacttgcatc attgcacctg       180
gcttctcact cggttctgga gwtcaaactt gggttaccgg cttgcagtag caaatgtttt       240
tacc                                                                      244


<210> 525
<211> 164
<212> DNA
<213> Murine

<400> 525
gaattcgcta tttatatata agcgataata tgggtttgta acattagttt taaaaaaggg        60
aaagttttgt tctgtatatt ttgttacctt ttacagaata aaagaattca acattaagaa       120
ccatgtaacc gagacacttg atctgacaca ggggcmgtcg ggaa                         164


<210> 526
<211> 149
<212> DNA
<213> Murine

<400> 526
gaattcttag gaagttaaaa aaaaatagtt ttgtaattaa agtataaaca aacataggca        60
atgcacacct tgtcaatcac tggagtagga tcattggatt caaatcataa tgtggatagg       120
atagggagga tgaattacca ggattcatg                                          149


<210> 527
<211> 59
<212> DNA
<213> Murine

<400> 527
gaattcgctc tcttctgggt ctctgagggc gggcactgck ctcacacgtg gcacacac          59


<210> 528
```

139

<211> 194
<212> DNA
<213> Murine

<400> 528
```
gaatcchtat ttaaaaaaga ttggtcctca agatgttcat tcaaattatt cttacataca      60
cgactctgaa actttccaca actgcatttt tacctaaaaa tcatcataaa ccattcaatt     120
aagctaaatt aacyggtctc hgtagaaatg ctacaaatac aaaatactac ctagtcygat     180
tttacaaatc aaat                                                       194
```

<210> 529
<211> 319
<212> DNA
<213> Murine

<400> 529
```
gaattccccca tgttgtgata atttatccat gcatagctta ctatggcagc tttttgtatg      60
tggtaccatt taccacttac ttttttttatt ttatgtatat gagtacacta tagcagtctt     120
caaacacccc agaagagggc atcagatccc attacagatg gttkcagcca ccatgcgttc     180
gggacctctg gaagaacagt cagtcccttta actgctgagt catctctcca gccctggtt     240
ctcactctta agaaaaaaaa gcagtagtct tagtatcaac tgtgaaaag gtagatgtgg     300
ttagtagtat tacygaaac                                                  319
```

<210> 530
<211> 278
<212> DNA
<213> Murine

<400> 530
```
gaattcggat tttttaaaatt atgtgtattt gtgtgtgtcc ctatgaatgt aggtgcctat      60
agaggccgga ggtattgcat gtcctggcct gacagagcgt tgtttgtgac cggctagacg     120
taggtgccat ggcttgtaga agaacaggat ggtcttgtct ctgtctccag ctccttatta     180
atctatgagg gctctatctg catgaacacc tacatgccag arrgggcat cagatcccat     240
tacaggtggt tgtragccac catgtggttr ctgggagt                             278
```

<210> 531
<211> 103
<212> DNA
<213> Murine

<400> 531
```
gaattcgaac cctctatcta ctatcggagc ctgagcggga atagtgggta ctgcactaag      60
tattttmacg agcagaatta ggtcaaccgg tgccttttgg aga                       103
```

<210> 532
<211> 299
<212> DNA
<213> Murine

<400> 532
```
gaattccccca gtcaaagttt gtaaatggga tccccatgag aatgacttcm gtggagcaac      60
cgagagaygc agaattccaa ccccactcta gacttactgg mtcagagtct tcataggctc     120
agcccagtga cccctgaatg tagctgtgtc tgagggaggc tgttttmcca actcttacvc     180
tccctcagtt ggscagsctt ttttacattc ttgacttcta atcccccata tggagacctc     240
caccgcctac atttctagga tgcctttcct cagtttcttt aaaaaaacaa caaaaaaac     299
```

140

<210> 533
<211> 289
<212> DNA
<213> Murine

<400> 533
```
gaattcgtga tacctggctc ctaggtgacg accctcaggc gtctgaatac tttcttctct    60
ttattacaca ggcccacatt cacaattacc gttggtagca gacgagacta gatcttcgag    120
cccctgacaa catacatact tcaaagctag cagaatgaag atrcvaaatg actgtgtcat    180
aaaagtatct tctgtcatcc tgatgataaa gcattccttc aactcatagt tcctatttat    240
gtatagagcc taactccttc actgcctctt tgttctataa aagtccagg               289
```

<210> 534
<211> 305
<212> DNA
<213> Murine

<400> 534
```
gaattcccgg cccagcdccg cttttttttt tttttttyctc taggattttg acattgctgg    60
tgagtttkac ccaatgatcc ctgatgcaga gtgtttgagg atcatgtgtg aaatcctaag    120
tggactgcag ctgggggact ttctcattaa ggtgaggcta gtcttgtaca taataaagga    180
gaagtttgaa tttkgcctgt gaaattgtct tagtattgat ttaatgagtc aagaaattta    240
gagatggcca ttgttttgag ggaadggcat tgattgccaa ggacataggt taattatatt    300
grgtt                                                                305
```

<210> 535
<211> 290
<212> DNA
<213> Murine

<400> 535
```
gaattcgtta tcaaagtgac acagcccaca ggggacagag aaggcccaag gactctccaa    60
atttcaagtg catgaacagt cagcacactg ataacagcaa gcctctaagg gatttggtaa    120
cctcactgcc tgatcagcta caaaaactgg acagagattt gattatggta cagagcagca    180
tatttgggtg acataaaaat gtcaccaagt gdaagcaatt agagcatccc aacctaaatc    240
catttgcaag tcctaagaat ctacatgaga agactattga aaaatatttc                290
```

<210> 536
<211> 168
<212> DNA
<213> Murine

<400> 536
```
gaattcctcc aatctmcacc tatacttmaa aatcatgaat ctgactagcc atgccattga    60
aaaccactca gtactagagg atgaaccagt tttcaatgtt atcagccctg gaaaaccgcc    120
cagctcccdc ccccagcaca ttctattttg ttttaacatt ttataaat               168
```

<210> 537
<211> 275
<212> DNA
<213> Murine

<400> 537
```
gaattcgagg aatatcaact tagtgctatt ttcacatcgt tcagtcaaac ttagccagag    60
ttccaacccc tacttaaaat tcaactagaa agttacctac caagtactaa ttagcattat    120
```

141

aamgtcagag cctgcagctc caggcctttc agttagttgt ttactagaaa ggacagtctt   180
aagccagata cagtttctca taagaaagtt aaagaatcca gtgaagcaag ttttttcttt   240
agccctagat tcccggcaga ctattgagca tagat   275

<210> 538
<211> 113
<212> DNA
<213> Murine

<400> 538
gaattcctgg cttggtccag ctgccttttc ttctchtctg ttcttcctcc tcctcttcct   60
cctcacttcc cttggctgct tttccattca gagaagctgg agtccattgg cct   113

<210> 539
<211> 220
<212> DNA
<213> Murine

<400> 539
gaattcgtaa atggcactgt aaaagggcat ttatcaacat aacaatgtaa cacctaacag   60
aaaagtgtga attcgggatc agaaaaattc aacgtttaat ttgttaaact taaagctgtc   120
actggatata gaaaaataaa ttaacttaga ttactttaaa gatctactgt cagttaaacc   180
tccacatatt tttttaata atttaaccag cttgtctaaa   220

<210> 540
<211> 156
<212> DNA
<213> Murine

<400> 540
gaattcccaa agtgggagga atgttaacac ygcgatagac accaagaaag agagttgggg   60
gctagagaga ggctcagtgg ttaagagcac gactactctt ccagaggtcc tgagttcaat   120
tcccagcaac cacatggtgc tcacaaccat ctgtaa   156

<210> 541
<211> 187
<212> DNA
<213> Murine

<400> 541
gaattctgca tatcacatag ttaatccaag tccatgacca ttaachsghc cctchhmctc   60
cttctaacat caggtctagt aatatgattt cactataatt caattacmct ataacccccg   120
cctacwcacc aatatccyca caatatatca atgatgacga gacgtaattc gtgaaggaac   180
ctaccaa   187

<210> 542
<211> 92
<212> DNA
<213> Murine

<400> 542
gaattcgatc ctttgagcca tacaacgtgt tttcgcttta aaacaaagca gacactaata   60
aaccaccgta tagataaagg atagaagaat tt   92

<210> 543

142

```
                <211> 104
                <212> DNA
                <213> Murine

                <400> 543
gaattcctgg cttttttttt tcttcaattt cttcgtcatc atcgtcatcc tcggaatcac      60
tccaggdcwc gtaattatyc tgattcctgt tattgtcact caac                      104


                <210> 544
                <211> 366
                <212> DNA
                <213> Murine

                <400> 544
gaattcgcgg tctcagggct tgtaggctgt tttatgattc atgtttcaag atgctgaagt      60
taggttccta tgtcaggaaa tcgtaggtgc acctgaattc tgtgaacagg atgtcttgtg     120
gacttcagac cttagcctaa gcttgtgttg aaaaacatgt cccccgttgg aaaaatgcta     180
tgtctgggga tctttaccca aaggacctaa gttacattta tttagttttt tcttgagaca     240
gcttaggttg gtctttaact tgcagcagtc ctcatacttt ggctctttca tgctgggggtt     300
aaagtgtgtc tcatcaggct cagacatatt cttgggaggt aggaaagaaa gcatgsggca     360
gagaac                                                               366


                <210> 545
                <211> 447
                <212> DNA
                <213> Murine

                <400> 545
gaattcggag cacttaccat ctgccctcag gaatatacct gctgcaccac agaaatggaa      60
gacaagctga gtcaacagag taaactggag tttgaaaacc ttgtagaaga gacaagccac     120
tttgtgagga ccacgtttgt gtcgaggcac aagaaatttg atgagttttt ccgagagctg     180
ctggaaaacs cagaaaagtc cctaaatgac atgtttgtcc ggacctacgg gatgctgtac     240
atgcagaatt cagaggtatt ccaggacctc ttcactgagc taaavcggta ctacacaggg     300
ggtaacgtca acctggaaga gatgctcaat gacttctggr ctcggctcct ggagaggatg     360
ttccagctga ttaaccccca gtatcacttc agcvaggact acctggagtg tgtaavcaag     420
tacacagacc agcgaagcat ttggaga                                         447


                <210> 546
                <211> 372
                <212> DNA
                <213> Murine

                <400> 546
gaattcatca gaggttgatg taacccctgg tttagctaaa ttttttccgtt tagattcaac      60
ttctttcttc ccttctttct tatctggttc ttttcttggc ttctcttctt ccttttggcc     120
ttcttcctct tttttaagct gcttttttagg ttgtttctcc tctggtccct ttttttttact     180
tttatcttca tcaataacca tgtcaccgtc tgaaggacaa ggctgcttta ccactttagg     240
tctgcctctt ggtttgggaa tcttgacttc agtagctgca ggtcgtcctc tcttaggact     300
tgctttcaca ttagaagcgg ttgctgcagt caccattccc gcctcttcag tgtctacttg     360
tttttcagcc tt                                                        372


                <210> 547
                <211> 372
                <212> DNA
                <213> Murine
```

<400> 547

```
gaattctttt ttttttccctt ttttaatttt ccacaggccc tctgtgtttg agactgtgcc      60
cactagtctg aaggttgaga ggattatttc gattggcaat taagacacaa ggggcacctg     120
gtgggcacag cgcccaccta ctcttccata tgcagttgtc tgcataattg tgcaaatgag     180
aaaaaaaaga tttattcaca agaagaaatg tgtagcgtgt agagatggct taatttgagt     240
tcctcgggca ggccggctcs ctgggggctt tcttcatctt ccctactgac ccccatcaca     300
aagggatgaa gatgcccaga tgccagggaa gggctgcttg gtccctggca gggccactga     360
gccccgtcac gg                                                          372
```

<210> 548
<211> 313
<212> DNA
<213> Murine

<400> 548

```
gaattcggca tgaccagtgt cattgggcct gtgagatgac caagagtccc cagagtcctg      60
gggatagaga gccctccatc ctgggagtgg aaaccttatg gtgtgttatc tagttagcag     120
gaaatgttag agaccacagt agggacaggt gaaagtctgt tgcctcacag ggtctgacac     180
tgatggagca gattgtgtca acaatgtgtc acaggaatgg aaagaatgtg ccctgagccc     240
acctccccac cccaccccaa aaaaccccat aaaaccaaaa atcaaataaa tgaataaaca     300
cacacacaca cac                                                         313
```

<210> 549
<211> 283
<212> DNA
<213> Murine

<400> 549

```
gaattcattg ccttgagata gggtctcaag ttgaatttag aagtacgtat tggataggct      60
aaccacgcag ttcttttgat ctctacctgg kcccaacgtt aaggtgtagg ccagctcagc     120
catgcctggc tttttcatgg gcacagggag attcaagccc tcatgcttac acagcaagca     180
cctgtagaat tttaatccag caacatggct gctccagcga gggatcacat ccaaaggcct     240
tctaggtcta tgtgatccgb ctggagaatt ccaccacact ggc                       283
```

<210> 550
<211> 342
<212> DNA
<213> Murine

<400> 550

```
gaattccttc agaagagtca tttacatttt tcttatttta taaaaataat agtttaaaaa      60
aaaaccaaac cacaacaaaa atcacatgtt cacagtagag ggttactgtt aggttttaac     120
actgttcttc atgccgtttc tgcagcgtaa sagcaaacaa atccacaaac ttagacaccc     180
atatcttggg ggctggagtg atgctcagca gttaagagca ctgacagctt ttwgtcctga     240
gttcaaatcc cagcaatcac atggtggttc atgaccatcc gtaatgagat ctgaccccct     300
tttgtggtgt gtctgaagac agctatagtg tacttacacc ca                        342
```

<210> 551
<211> 373
<212> DNA
<213> Murine

<400> 551

```
gaattcggcg ccttcctttta gacgcatccc ccgggcccct gaggagtcag cccgctcact      60
cccggcgagg tccaccaagc tgatcttact gacctttct gaatccaggc cagtaagctg     120
```

```
gtcatgggat cgctgggtaa agacaatagt aaagacggca tgggagcggc tgctggtctc      180
gttcatgttg gtggcagcca cggttcttgc cttatttcca cagtccatga ggtcggcaat      240
gtctgcatag gaagtcacag ccagtttaga caggtcttgc acgtacgggc ctaggatggg      300
gtgctcccgg acccgcagag agccccgact cttgggggtt caagaggtct cgtacycctc      360
gcaatagatt tcc                                                        373
```

        <210> 552
        <211> 474
        <212> DNA
        <213> Murine

        <400> 552
```
gaattcgaag aagatgatga tgatgaataa gttggttcta gcgcagtttt tttttcttgt       60
ctataaagca tttaaccccc ctgtacacaa ctcactcctt ttaaagaaaa aaattgaaat      120
gtaaggctgt gtaagatttg tttttaaact gtacagtgtc ttttttttgta tagttaacac      180
actaccgaat gtgtctttag atagccctgt cctggtggta ttttcaatag ccactaacct      240
tgcctggtac agtctggggg ttgtaaattg gcatggaaat ttaaagcagg ttcttgttgg      300
tgcacagcac aaattagtta tatatgggga cagtagtttg gttttttgtt ttgttttttt      360
ttttttttct tttggttttc tttttgggt tttatttttt ttcatcttca gttgtctctg       420
atgcagctta tacgaagata attgttgttc tgttaactga ataccactct gtaa           474
```

        <210> 553
        <211> 500
        <212> DNA
        <213> Murine

        <400> 553
```
gaattcaaac tagaacccaa gtcacagcat tttcccacat aactctgagg ccatggccca       60
tccacagcct cctggtcccc tgcactaccc agtgtctcac tggctgtgtt ggaaacggag      120
ttgcataagc tcaccgtcca caagcacgag gagatatctc tagctttcat ttctgttttg      180
catttgactc ttaacactca cccagactct gtgcttattt cattttgggg gatgtgggct      240
ttttcccctg gtggtttgga gttaggcaga gggaagttac agacacaggt acaaaatttg      300
ggtaaagatg ctgtgagacc tgaggaccca ccagtcagaa cccacatggc aagtcttagt      360
agcctaggtc aaggaaagac agaataatcc agagctgtgg cacacatgac agactcccag      420
cagcccggga ccctgctgtc ttctcgactc ttagggcgtt tctttccatg tttggctgtt      480
ggktttagtt ttggtgagcc                                                 500
```

        <210> 554
        <211> 233
        <212> DNA
        <213> Murine

        <400> 554
```
aaagtattgt gttaactcat tagtctggaa aagcaactaa aaaagtttag tgtaaataca       60
atagaatgcc atatttgttt ataaaaaagg aggtggactg tgtgactgac tgtgatacag      120
tagggtggca agggcgaggc agccatcatt acgtgtgagc agcgacctca ctgacactac      180
actgctgaac ccaaacagta gagcagcaga tgcctatcag gagacctgca cag            233
```

        <210> 555
        <211> 195
        <212> DNA
        <213> Murine

        <400> 555
```
tgccaagtag cctacactgg ctttgctgtg gccctcctac atttgtctcc tctgtgctca       60
```

```
aagtatatga gtctgttatg gatattgctg gctgtaaaac aacataaata atcactttta      120
gtgatatttt tgctatacat gttgaacaca aaagctttac atgctttgat cagtctggat      180
taattgcgat acatc                                                       195


        <210> 556
        <211> 201
        <212> DNA
        <213> Murine


        <400> 556
gcggcccgtt tttttttttt tttttttttt tttttagta gaaatatttt attggtgaga       60
ccccaccatc tgcacaaagt ggtcctggaa tcaagctcct tcctccttgg caatgcgatc      120
tttcttgagt ggtccataaa tgtttcttct ctcatggctg gagcgacatg caattgagtg      180
gtcatgacta gatttcaggc c                                                201


        <210> 557
        <211> 188
        <212> DNA
        <213> Murine


        <400> 557
ccggctcgag cggccctttt tttttttttt tttttttttt tcgtgactta caacctttta       60
ttagtgaaag tgaccatggg ttcaaataag tgtgattgct ctgctccgct cgctctggga      120
gcagtgtttc tttttttttt aattcaagat gactaaaaaa gtcactttca agtgactgtg      180
tgtctgag                                                               188


        <210> 558
        <211> 227
        <212> DNA
        <213> Murine


        <400> 558
gttcatagaa aagtactcaa ttttttactt gcaaagcagt cctgggttaa ggtaagtttt       60
atatgtgtgc actgttacaa agtttgcttt gtagatggag agcccgatac accgtatttg      120
aaaaaaggta gaaagcagaa atgatagatt ctgataccta ggaagttaga tacagatttc      180
agtgatatgt catatgcatg gatgagagta aatactatta atatcag                    227


        <210> 559
        <211> 90
        <212> DNA
        <213> Murine


        <400> 559
gttaacagca actttattat tccatgatga aaaaagttgt agttgttgat gcattcacat       60
aaattacaat agtggaggat cataaattac                                        90


        <210> 560
        <211> 199
        <212> DNA
        <213> Murine


        <400> 560
caggaaggct gtcccacagg aatataagtg aggcacaaat gttattttaa tatttccagt       60
atgatgtgta gggctgggga ggagggacgg gggaaatggc tcagaagata aaaaacccgt      120
caacaagcct gacaacatga gttcaatccc aggtaggaag aactgactct atagctgtct      180
```

146

ctgacatcat gtttgtcat   199

<210> 561
<211> 188
<212> DNA
<213> Murine

<400> 561
ctggtactgt ggccctccgt gaaatcagac gctatcagaa gtccactgaa cttctgatcc   60
gcaagctccc ctttcagcgt ctggtgcgag aaattgctca ggacttcaaa acagatctgc   120
gcttcagagt gcagctattg gtgctttcga ghaggcagtt gaggctattt ggtttgaaga   180
tacaatct   188

<210> 562
<211> 174
<212> DNA
<213> Murine

<400> 562
gaaacaggag gggtcagtct gtcagaaaaa gttgacagtg aacttaaaac tttagaacaa   60
ttatcttcat tttcttctga tgaggaagat cctggctcgt gtggccatga tatctataag   120
aacacctctg ctcccttact gtgttggatg ctacttcgat aaacaagaaa cttg   174

<210> 563
<211> 166
<212> DNA
<213> Murine

<400> 563
ccgtctaagt gcccagcaca tgactacagc tttgtcacat cctggctcta tccaagctgt   60
ctcacctcat ctgcccacag ttcttgggct gcagaccaga ctgtttctgc aggcttgttc   120
ctgcctctct ggcttcactc ttgtaccctt ctccccaata ttctct   166

<210> 564
<211> 121
<212> DNA
<213> Murine

<400> 564
gcaactaaaa aagtttgtgt aaatacaata gaataccata tttcgatata tataaaaaag   60
gaggcggact gcgtgactgc tgtgcatcag tcagggtggc aagggcgagg cagcatcagt   120
t   121

<210> 565
<211> 270
<212> DNA
<213> Murine

<400> 565
aaagaaaaca ttgtttctta atttgtaacg ttaaagtctc ctggaactcc tacttctaat   60
gaaaattgca aattagatag agagaaagag agagagaatg aatacatcta tcaatagaac   120
cttgtacatt tatcatgtat aaggctatca atcatatctg aggctagact cttagaatta   180
ctctgagcct attctcctct cggcatgaca ctgatgcaca tatacatagc tgtctacttc   240
ttctagctac tgacttatat atatatgtgt   270

147

<210> 566
<211> 156
<212> DNA
<213> Murine

<400> 566
ggtgagcagc gctgcctgaa gctgcgggca ttcccgatca gaaatgagcg ccagtcgtcg   60
tcggctctcg gcaccgaatg cgtatgattc tccgccagca tcgttcggca gtgcgtcgac   120
agacgccgct tgttctgaag tgcagtaaag cgccgg   156

<210> 567
<211> 231
<212> DNA
<213> Murine

<400> 567
ccaactaaag gaactgcctg aaaaaatgcc cagaactctc caggaacttc gtgtccatga   60
gaatgaggat caccaagctg cggaaatccg acttcaatgg actgaacaat gtgcttgtca   120
tagaactggg cggcaaccca ctgaaaaaac tctgggattg aaaacggagc cttcaggact   180
gaagagtctc tcatactcgc atctcagaca ccaacataac tgcgatccta g   231

<210> 568
<211> 206
<212> DNA
<213> Murine

<400> 568
cagtgctaac aggtccatga ctgggtccag gtcctgcctg ggctgctcag cgaagagttc   60
gccgatggct cgtaggcgtc tccagtgaag gcaatggctg attcagaccc acggagaagg   120
cctgctgatc cagctcaaag gcttggccga gaccccggaa gactccccac cttctgatac   180
tccttcttga aagccagtca cctctt   206

<210> 569
<211> 262
<212> DNA
<213> Murine

<400> 569
ggagatggct tagtggataa gagtacttct atgcaagcat gaggacataa cctcagtaaa   60
aggctgagca tatccgtgtg tacctataac aagtatctgc agttctcagg aactctctgg   120
gtaatcaggc taactaaaac agtgaactgc cacttcagtg agagaccctg tctcaaggca   180
acaagacaga tagtaataga gggagacacc aatgtctctg tgttcaaaca cacacatatg   240
gaggcatgtg gttaaatgta ct   262

<210> 570
<211> 219
<212> DNA
<213> Murine

<400> 570
cagcgacaga cggacagact ctcgggtggt cacactcacg ataaaagctg gcaggctgac   60
agaggcaacc tcaggacgga ctttctggct actgaccatt ttcctgtgtc ttactaggat   120
cgtgtgtgga cgtgagatca ccatgagctc cgttgacagt tttgacccaa gagagttttt   180
ctgaacatcg aagtgggctg gttccacaac aaatcaagt   219

148

<210> 571
<211> 167
<212> DNA
<213> Murine

<400> 571
gtggacaaag cgttcccatc gcttacggga gtgtctgccc aagatatcgt tgaaacgtgg   60
atctaattca atgttgtact tgtcaatata gtcatataaa tcttctgttc ccagaacctt   120
ggctatcctc accaacctga tcataattgg ctcatgtcca tggaaaa   167

<210> 572
<211> 230
<212> DNA
<213> Murine

<400> 572
cagctctcca ccattgagct ggacagctgc tgtgacccag gctgctgaga acgccacctc   60
agctctgttg agggagcagg aaggctcacg tccagctccc ctcaggcaca gatctcctgg   120
caatgaaagc gccatctctc cagcaagccg tggagatgcg gctgaagatc aggttcataa   180
gcttcggctc aaacttctta aaaattaaag gcaaaagaa gaaactagct   230

<210> 573
<211> 237
<212> DNA
<213> Murine

<400> 573
cgctcgcgtc tgtccttaag gctctcctcg gtgtccacgg ctccctcttt ccttgctttg   60
cagcgatcct actgccagaa attcgccatg tctattctca ggatccacgc cagagagatc   120
tttgactccc gtggaatcca ctgttgaggt cgatctgtac accgcaaaag gtctcttgag   180
ctgcggtgcc cagcgtgctc actgactcta cagcctagaa ctcgagacat gataaga   237

<210> 574
<211> 231
<212> DNA
<213> Murine

<400> 574
gatccacttg gatggccgca cgttttacat tgaccataat agcaaaatta cccagtggaa   60
gatccaagac tacagaaccc agccatcact ggtccggctg ttccgtactc cagagagttt   120
aagcagaaat acgactactt taggaagaaa ttaaagaagc ctgctgatat tcaaacggtt   180
tgaaatgaaa cttacacgaa acaacatatt tgaagagtct atgcaggatc a   231

<210> 575
<211> 143
<212> DNA
<213> Murine

<400> 575
atgaatttgt ttggttggtt ttgtttttga gacagggttt ctctgtgcaa cagccctggc   60
tatcctggaa ctcactatgt aaataaacta agctaagctg gccttgaact cacagtgaca   120
ggcctttaat ctcagcactc aag   143

<210> 576
<211> 113

<212> DNA
<213> Murine

<400> 576
ccatattgaa ttagatatct tatttcagga catccatgtc aaaataaaac aaaagagtca   60
atccttgcaa caataatgtg tattcattaa aacgcatttc acaatcatcc cat   113

<210> 577
<211> 168
<212> DNA
<213> Murine

<400> 577
gctttggtaa atgtggcact aaatcttagc attaattgga taacacacaa agacagtacg   60
aggcagaacg gaataaaatg attggaaaac gagctaacga aaggctagac tctgttacaa   120
agcgtaagag cttcaggaaa tcaagataga tagaaaatat gatgatgc   168

<210> 578
<211> 245
<212> DNA
<213> Murine

<400> 578
atgaaatatg tggaaacatc agcttctcag ttttggaaat taaacagtaa gtcataaagc   60
tcagataggg cactagcttt gtagtgccat gaacagcagc atcaacataa agtttggctc   120
ttgagagcaa accaaggagc acgttgtaga cctgatgtag gaatactgtt atatctggac   180
tgagtggaag gtcacggttg ggatgtgcaa gactgtgacg acacttgcga tgatcgttgg   240
atagg   245

<210> 579
<211> 108
<212> DNA
<213> Murine

<400> 579
gggccgtggc agagcgcgga gaggcctgcg ggtggcagcg gcgggcgggc ccgtcgggcc   60
ggagccgagc cgagccgcgc cgcgctctgc tccgagccgt aagccctt   108

<210> 580
<211> 213
<212> DNA
<213> Murine

<400> 580
gcccccaga cctcttgaga gtcacctagc catcaatgga actccaaccg gcagagcaaa   60
tctgagtctg actactcaga tggggacaat gacagcatca acagcacctc caactccaat   120
gacaccataa actcgctcga gtctcatcac gggacagcct cggaacagac actcagcaag   180
cagacatacc acaggagacc gcacagctgg act   213

<210> 581
<211> 153
<212> DNA
<213> Murine

<400> 581

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gagcaactca ttgctgcaaa attctgtttt gctggccttg ttatagggca gactattgtg        60
gacatcatga gtcatgccac acaagctatt tttgaaattc tggagaaatc ctggctgccc       120
caggactgta ccggttgata taagattgaa ttt                                    153


       <210> 582
       <211> 155
       <212> DNA
       <213> Murine


       <400> 582
ctggttccct gggaggccag gagactcaga tctctggagc tagagttaca ggtggctgtg        60
agctgctaaa aagcgggaac taagccacag tcctttgtac atatcttgta cttttgcatt       120
tatacaaagt aagaaattcc tcactctctt aacag                                  155


       <210> 583
       <211> 229
       <212> DNA
       <213> Murine


       <400> 583
cttcccaaat atgagagggt caaggaactg tgccagcaag ccagatacca gacagcctgt        60
gagcagcctg ggcagaactg gcagtgcatc gaggacacat ccggcaagct ccgaatccac       120
aagtgtaagg gacccagcga cctgctcacg gtccgtcaga atgcacgcaa cctctactct       180
cgcggattgc atgacaaaga caaagagtgc attgtaggga ctctgctat                   229


       <210> 584
       <211> 215
       <212> DNA
       <213> Murine


       <400> 584
caggatttct ttgtgtagtc ctggctgtcc tggaactcac tccgtagacc aggcttgaac        60
tcagaaatcc acctgcctct gcctcccaag tgctggaatt aaaggcgtgc gcacccctgc       120
ccattgcctg aactcttttt atgtcagttc tttgtctccc actagaaaga atgttgcagg       180
accctctccc cattgccaca aggtcagaag actct                                  215


       <210> 585
       <211> 230
       <212> DNA
       <213> Murine


       <400> 585
gggatatcaa aaaagtttaa aagcgaaact tgagctgcct gaaattcctg tgacaaaaga        60
tgatgtagaa gattcagact cagaagtgag tgaatttttt gatagctttg atcagtttga       120
tgaactagag caaactttgg agacttactt gctcatggaa gatcctatca tagggaagtc       180
atcacagaag ataggcaca atatgaaaac tgatgatctc agaatcagtt                   230


       <210> 586
       <211> 212
       <212> DNA
       <213> Murine


       <400> 586
acgctttagt tcaggattga acggagcata cacttcttcg aaacaaagct tatttattct        60
tgagcagcca cacattggtg cactctggtg caggaactgg gaattcggga aaagtgggtg       120
```

151

```
tatctctggt aatggaggct gagacatgcc tggtcacctt ccaggaccat gacaggcctg    180
actaatgaga gggcaaaggg ccttgagact gg                                   212


        <210> 587
        <211> 212
        <212> DNA
        <213> Murine


        <400> 587
aagatttatt ttacttatga gtacactgta gctgtacagg tggttgtgag ccatcaagta     60
gttgctggga attgaactca ggacctttgc ttgctccagc cccactcatt ctggcccaaa    120
gatttattta ttgtttatgt gagtatattg tagcgtgtct tcagacacac cagaagaggg    180
attcagactc attacagatg gttgtgagca ca                                   212


        <210> 588
        <211> 193
        <212> DNA
        <213> Murine


        <400> 588
ctgtattgtt atttttctct cactacctcc ccgggtcgga gtgggtaatt tgcgcgcctg     60
ctgccttcct tggatgtggt agccgtttct caggtccctc tccggaatcg aaccctgatt    120
ccccgtcacc cgtggcacca tggtaggcac ggcgactacc atcgaaagtt gatagggcag    180
acctcgaatg ggt                                                        193


        <210> 589
        <211> 226
        <212> DNA
        <213> Murine


        <400> 589
acaaaactca aagtcttcca actgatgtgg atgtcctttg atgtaaaaca ttcgtacgtt     60
atttgctatc attgctctct gcacactctg tcaccaaagc cacaggattg agtgacacat    120
ctctccaagt taaaaaatat ccattttcca ccaccaagtc tctgcaggtc tccttttgct    180
catactagcc tttcatgcct ggaccaccat catcacacag ttcaag                    226


        <210> 590
        <211> 243
        <212> DNA
        <213> Murine


        <400> 590
ctctctgtta ctgttctcta tattcagatg tcactataaa atatttcaat attccaatga     60
attcctatct aaaacctaga atgcaaaaag cacacagaac aaattgccat tccttcttaa    120
aatccactct ttctgcacta acttgcttct acttcaagta aaatttgttt tcaaaagcca    180
ctgatcatat atactttaaa ttacttatac ttagagacac acagctaagt ctagatacat    240
gag                                                                   243


        <210> 591
        <211> 261
        <212> DNA
        <213> Murine


        <400> 591
ttttacagag gtgctaggaa tccaaacttt ggtccttaca ctagtgcaaa aagcactttc     60
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152

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cttgtccagt catctccctg cctttgcaca ctgcgatttt ggcacacctg accaatgcta      120
cctgtgacct agatttctga ctgctatttc cctttgttca ttttaggcca gaaacagaaa      180
cagaaccagt gcagacaggc tctacctgtc tggcagtata cacttgctat gctcacatct      240
atgcatactc agagactagt g                                                261


        <210> 592
        <211> 274
        <212> DNA
        <213> Murine


        <400> 592
gttcgtgtcc agtctgtatg aatgaatgtt ctatgttttg tgttggataa taaagatggt       60
ataaaaaact ttatctgcaa agccgagagc tgccacgtgt ttcagccagg aatcagacac      120
gtggcgagag ggcccctcgt ggaaaaaact gttcgtttta ggaaataggg cgagtgcaca      180
gcctctagtt cagagtaaaa gctaataaat gtctagatta atgtgttgca atgtaaggtt      240
ttattatgat gagctcaaaa tatatcctga tgct                                  274


        <210> 593
        <211> 252
        <212> DNA
        <213> Murine


        <400> 593
caaatactag taaacctaca cagtgtgcac ataataacag acatatttgc tttcatatgc       60
ggagtgtgta tatatttgag gttttcttct ttttttctct ttctctttcc ttctgtttct      120
ctctctgtgt ctccctctct gtctctgttt ctgtctctct cttttttgtc tcccgttcat      180
aaagtctact gtgcagttct gactggctga acttcgtatg tagacaggct gttcaaatca      240
gagatcacat ga                                                          252


        <210> 594
        <211> 246
        <212> DNA
        <213> Murine


        <400> 594
cctataggtc tgcagaccct ttcttctcct tgggtacttt ctctagctcc ttctttgggg       60
accctgtgct ctgtccaatg gatgactgtg agtgtccact tctgtatttg ccaggcactg      120
caaagcctca caagagacgg ctatatcagg ctcctgtcag caaaagcttg ttgacatctg      180
caatagtgcc tgggttggtg gttgtttatg gatgatccga gtgtgcagtc actgatgtac      240
ttctcg                                                                 246


        <210> 595
        <211> 246
        <212> DNA
        <213> Murine


        <400> 595
ttcacaatgg tttttgcaag ttaaacagtg aaggtgaatt aaattcatac tgtcttgcag       60
acttcagggt ttcttcccca agacaaaaca ctaatctgtg tgcatattga caattcctta      120
caattatcag tcaaagaaat gccatttaaa attacaattt ttttaatccc taatggatga      180
ccactatcaa gatgtatact tgcctgtaac agtaatgatc tctatatcta gcacagtagt      240
attaaa                                                                 246


        <210> 596
        <211> 213
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153

<212> DNA
<213> Murine

<400> 596
gaagttccag tgggctttta ttgagataaa ttaacaaaaa gaaacaatca agattttacc   60
aaccatcttt tctgaatgaa ccatgtatat aactccttaa agactcaggt ccatagacat   120
gcacatacac tgtaacacat ccaacaaaac agaccctccc actggaacat tgcataacag   180
aagcatttct tccaatgttc aatttagtct act   213

<210> 597
<211> 256
<212> DNA
<213> Murine

<400> 597
gcccacttta tgagcttctc aacccttcct gaaatttcaa tcccaaaatt ctgaattccg   60
agatcaatag gaagacattg taggaaggct caagacagaa taaagctgga ggctcagtgt   120
ccatacattc acttgagccc acactttggt gaccctctac cagctgtaaa acacaagatc   180
ctctttcctc ctgctgccag attcatgtct gacatcagaa actatcgata gactagactg   240
agtctgagac ctgaga   256

<210> 598
<211> 234
<212> DNA
<213> Murine

<400> 598
ccagggttgt ggggacacag atgagggctg ggagggggg aacgcaagag ggcgggggt   60
ttcttcacga tcgcactgga agattttata agagtttggg ggggggggac agtaaagctc   120
tgagccactt gggttcttca ggagtttctc ttaggagttt ctcttaggga aagttttttt   180
tttcctcttt tttaatatat aactataata tatatgaata taattgctaa tgtt   234

<210> 599
<211> 167
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(167)
<223> n = A,T,C or G

<400> 599
cttccctgtc agttctggag tttgtatgaa ttctctgatg tcattgcctg taacctcaag   60
ttattcctta atgtagaatg tctgcttggt acttttgtt atttgttgtt ctttgttatt   120
gatgttgttc ccttngtctc aaaagatgaa tgacctggag aaggaat   167

<210> 600
<211> 170
<212> DNA
<213> Murine

<400> 600
cacaatgtct atagctgcaa ccctgcttcc cacagtgaag tcttcccgtt ccttatttcc   60
aaaggtagtt cagagaggtc agacatcttg cccccaaagt cctgacccat acttagccag   120

154

agaactaggt ccataaataa atctacttgg ccctaaagca aaatgccccc   170

<210> 601
<211> 204
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(204)
<223> n = A,T,C or G

<400> 601
ccggctcgag cggcnntttt tgtttgtttt ttcttttctt tncttttttt tttcctaact   60
tttttngag gggggatgat agatttttta agtttcccct gttttcttga tatttggaat   120
tctggcctac ttcactatta ataacagtag aagcagtagg agatactggg ttgggaattt   180
gaagttggct tgagtttgag tctt   204

<210> 602
<211> 212
<212> DNA
<213> Murine

<400> 602
ctagaactca gtcttgggtt tgaactaact ggtttgagtt aactttgctg ttaacaaaca   60
ggagtctata ctttgaggaa tatcaaagct ataaacttca gaccatttcc tttaattcac   120
aggcatccaa acaggatggc cttcaacatc atggttcaga ggtctactcc aagtatctag   180
gtctttgtaa ccagtctagt gaacaatatt tc   212

<210> 603
<211> 187
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(187)
<223> n = A,T,C or G

<400> 603
gcggccnttt tttttttttt ccctttttgtt tgttttaaag ggcatagagt gcgattgaac   60
tttgaggggc cttctgctta ttagataagc atggtctctg tcctaaaaaa cagcatctac   120
tgtgtactga cattttagtt tctgtggacg aagtaaatgc agcatttggt ttgggggaga   180
acatttt   187

<210> 604
<211> 232
<212> DNA
<213> Murine

<220>
<221> misc_feature
<222> (1)...(232)
<223> n = A,T,C or G

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        <400> 604
tctccttccc cgccaccgnt gtcagaagct catcgaggtg gatgacgagc tcanncgcac    60
cttctatgag aagcgcatgg ccacggaagt agccgctgat gctcttggtg aagagtggaa   120
gggttatgtg gtccggatca gcggtgggaa tgacaagcaa ggtttttccc atgaagcaag   180
gtgttctgac ccatggcaga gtgcgcctct gttgagtaag ggcattctgt ta           232


        <210> 605
        <211> 178
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(178)
        <223> n = A,T,C or G


        <400> 605
aagagtttga gacagcggag actctgctga actcggaagt ccacatgctt ctggagcatc    60
gaaagcagca gaacgagagc gcggaggacg agcaggagct gtcggaggtc ttcatgaaaa   120
ccctcaacta cacggcncgc ttcagccggt tcaaaaaaca gagagaccat tgccagtg     178


        <210> 606
        <211> 200
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(200)
        <223> n = A,T,C or G


        <400> 606
taaatttcaa aaaaagaaaa aggtagaaat tgaattagca agagcttaag ttttctttaa    60
acatgctggc cagggcngca gtggtggtgc atgcctttaa tcccaacact tgggaghcca   120
gaggaggcag atttctgagt ttgaggccag cctacagagt gagtttcagg acaacctggg   180
ctatataaag aaaccctgtt                                              200


        <210> 607
        <211> 173
        <212> DNA
        <213> Murine


        <400> 607
ggcttactag gagggtgaat acgtaggctt gaattaatgc tactgcaaat tctagaattg    60
tgagtagaag taaaataata aatgtaatgg tagctgttgg tgggctaata tttattaata   120
ctagagtagc tcctccgatt aggtgtatta ataagtgtct gcagtaatgt tag          173


        <210> 608
        <211> 206
        <212> DNA
        <213> Murine


        <400> 608
taggcccttt cctttctttt actccctagc catagggtga gtctcctgca ggttgattcc    60
tgcaggttgt tctctcactc ctgcagtgtg catgtcctgg tgtgtttata cacacataca   120
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156

```
tacatcatgc accatacata tacatacaca catacataca tatatgcaca cacatacatg    180
tgatgcatac aaaattttct ttaatt                                         206


        <210> 609
        <211> 257
        <212> DNA
        <213> Murine


        <400> 609
ctttactact gagtcaaact tccagcctct agtcttaata taaagaacat tgtttcttgt     60
gttaacacag aatattgata gttctaagtc agatttatca tgttcaaatt tttatattag    120
ttaattatgg aaaaagaatg ggaagggctg taagaaacac taaatccaca gacaccttaa    180
aatactatga tagtaatttc atcaaatggc cagtgtggcc atattagaga aaagcagtaa    240
attggagagt acaagag                                                   257


        <210> 610
        <211> 246
        <212> DNA
        <213> Murine


        <400> 610
atgggcacta cttgaggttg tatataaaca aaaatgacac gaggaaactc ttgatttcag     60
tttcaaaggg gagaactaca tgtactacag acaaggacga gagggtgaaa gagcagatct    120
ttagcatcaa ggactgaatg gcactggtgc tgccaacata tggaagtgtg gatagctgaa    180
cagaagtgag cagctgccga gccagatgca aatgatgttg ttcttccaga gtgcaaggat    240
gagtcg                                                               246


        <210> 611
        <211> 178
        <212> DNA
        <213> Murine


        <400> 611
ggcccatttc ttaggcttgt gttttagcaa agtatacctg cgtggccatc ttgtccacgc     60
caatgcagag gtcctaaaag gactccctct attctctatc cctgtggacg taaagacact    120
ggcatctctg ttaccttctc ttccctttgc aagggtttac ttggatcttc agagaaag     178


        <210> 612
        <211> 218
        <212> DNA
        <213> Murine


        <400> 612
cactttttat ttttgttttt ttacagtgag attttttga cttcagctac accatcttcc      60
tactgtttcc cttgaaatcc catcctgctt ttcctgtaca ctacccctca caaaccacaa    120
gccgcagcaa catggatgcc cagtctggag cagcaacagc caggatgacc tggagccagg    180
ggggccttcg gaacagatgt ataccttctg gtgagttt                            218


        <210> 613
        <211> 238
        <212> DNA
        <213> Murine


        <400> 613
cattcttcat gtctctaaac ctttttttta aacaccttgg gggaggttgt attctggcat      60
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157

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tttaaataaa aataagatgc ttgatgccag aatgaaataa tagaaataat gcctcctgtc      120
cctgacccat gattcagagt accttttccc tggcaaagta ccctggtaac attttaaaac      180
acacctaaca tgtcaacatg tcaatatgcc atcaaaaacc cacaaattaa tcgatttt        238


        <210> 614
        <211> 214
        <212> DNA
        <213> Murine


        <400> 614
tcctcttcat atttgtcttc cttctgagag tacttctcag cctgagcctc cagtgattca       60
agttgttcgt caccgttttc aattcttctt caagctcggc acatttgcct tctgagagct      120
cagcccgctc ctctgcacgt tccaggtcgc tctcgatgat gaccagctta gggccacctc      180
ttcatacttc cggtcagcat cttcagcaat gtgc                                   214


        <210> 615
        <211> 154
        <212> DNA
        <213> Murine


        <400> 615
attttaggga aaatgggatt gactctctga actcaacaaa actggaattt ttttttttccc      60
cagaagcgag aaatgaaaag agaagggcct aaggaaagca gaaggcggcc tgaagtgaca      120
atacctttaa aaaactctta tctctgtgtg gggg                                   154


        <210> 616
        <211> 106
        <212> DNA
        <213> Murine


        <400> 616
cgggagggcg gcgcggcacg ggcccggtcg ctcccgccgc agctgctggc ccgcacgctg       60
ttcctgacag ctgggccttg gcgctctcgt ctcagccgcg tcccgg                      106


        <210> 617
        <211> 240
        <212> DNA
        <213> Murine


        <400> 617
cactcttctg acttagaggt tcagcttgat gctaacatga aaccaatgcc ctttaatagt       60
gaagcgacac caactgaaga tggagctcaa ttacggttta agcaagtagg agtcagcctt      120
acagatgatt tgatgaatca gttgctgaag ggaaaagcca agaggtattt ccaggggcaa      180
attgagttag agactggcca gccacccatg gagttaagaa gaagacaact gtaccttgtg      240


        <210> 618
        <211> 244
        <212> DNA
        <213> Murine


        <400> 618
tttgaaagtg aaaagacttt tattccacat ttggagccct tacagaggaa catggatgga       60
gagctacagg tggttcactg tgacttcttt aaaatggatc ctagatatca ggaagtagta      120
agaccagatg tgagttcaca ggcaatattt cagaacctgg gaataaaaga gttcctttttc     180
agcaggtgtt cctataaagt attggaatcc taccatataa actgaagacg atactttgaa      240
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158

attc   244

          <210> 619
          <211> 257
          <212> DNA
          <213> Murine

          <400> 619
ccaggaactg tccagtgaag agataaagtc ccgtgtttga aactttaaga acttttaaaa   60
taaagactgg aaatgggaaa actgatagaa tttaaaatca acagaatgta ttcctttgac   120
aattctcccc atagctttat tcctagcact caaggtctag gcaggaggtc tgtcgtaagc   180
ttcaaggcag cctgtactat acacggaatt cagattacca caatgagctt ctatctcaaa   240
cacataagct ttctttc   257

          <210> 620
          <211> 243
          <212> DNA
          <213> Murine

          <400> 620
tttttataag actggttctc actgtagctc tggctggcct gaaactcact atgtaaaacc   60
agatgcagag gacaacaggc tggtcttgaa ctaagggacc atcctgcctc tgcctcccaa   120
aggctggatt acaggtgggt gccaccacac ctggtttaaa tcgagactaa aaaactgttc   180
tgtctttag gtaatccaat tattcagaat agacctcaag tctctaaaga ggattttgat   240
ctt   243

          <210> 621
          <211> 219
          <212> DNA
          <213> Murine

          <400> 621
gatggggaga gtcacatgag tccccttctc cacctttgcc tcagtaatct tttccatact   60
ctctgacgag gcatgagggc agaccttagc ctttaaagcg ccacggttca tttatgtgtt   120
gaaaagaaag tacttgcgta cttgtgtctt ggctcctcag cctgcttcca caccagctga   180
cagtgggtac gtgagccagg ctgctggaga ggcatatgg   219

          <210> 622
          <211> 224
          <212> DNA
          <213> Murine

          <400> 622
ttggattaga atatacactc tgaaaacctg cagcgtggct cggtgcctgc tgccgcatct   60
gaaaccctga agaaaatctc tggtgggaaa cagatggtgg aagaagaaaa aagtgtgtgt   120
gtgtgtgtgt gtgtgtgttc tctgagtttt ggttggagga ggtacttcac agcacttgat   180
ctagcctggc cactgagaag cggggatttt actcaaaggt cgtc   224

          <210> 623
          <211> 194
          <212> DNA
          <213> Murine

          <400> 623
ggaagccagc aggaacagta ggacagtcgt caggctgtga ggtgggtaag aaatacagaa   60

```
atgctaagta aggatatact cctcctagca ggttgcctaa ggaggtaaat ggtggtggtc      120
tgatctggtg ggttctagtg aactaggcca agagctacat gagatctgag gggaagttgt      180
aataccagca gggg                                                         194


        <210> 624
        <211> 195
        <212> DNA
        <213> Murine


        <400> 624
gaaggattct gggaaagttc caggccccat gaagttaatt ccctggctgg gatagtcgct       60
gggggttggg gccgaagggg ctcgaatggg gcaaaagggg cagccagggc ccagggctgc      120
aatcatctcc atcacactgg gcatgagcac atgggcaggg ctcacagtgc ggcacgcttc      180
agcactggcc catcc                                                        195


        <210> 625
        <211> 257
        <212> DNA
        <213> Murine


        <400> 625
ggccgttggt tgtgtttgga tatacgactg ctatagctac tgaggaatat ccagagactt       60
gggatctaa ctgattaatt ttgggttttt tagtattggg ggtgattata gaggtttttt       120
taatttgtgt gcttaattat tatgatgaag tggagtaatt aatcttgatg gtttgggaga      180
ttggttgatg tatgaggttg atgatgttgg agttatgttg gaaggaggga ttggggtagc      240
gcaatatata gttgtgc                                                      257


        <210> 626
        <211> 95
        <212> DNA
        <213> Murine


        <400> 626
aagcaagttt aaaaactgct ttattgattt gaagtaccaa atttataaag attataacag       60
tttgcatcta ctcaaagtta aataatttac attgg                                  95


        <210> 627
        <211> 194
        <212> DNA
        <213> Murine


        <400> 627
gtgggagact ttatttatcc agtgtggtga tagcatggcc ctccatgctt tttactggtt       60
aatgctattt ctcacaatga tgcagattag gaaaattgaa gtattcagga aacaggggtg      120
gttgctaagg ctccgtacct gctctctata aaattatagt ggctttgacc tgacatagga      180
aagttcaagt ctag                                                         194


        <210> 628
        <211> 176
        <212> DNA
        <213> Murine


        <220>
        <221> misc_feature
        <222> (1)...(176)
```

<223> n = A,T,C or G

<400> 628

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tttagtttgt gtcggaagcc tgtaattacn gctccagctc atagtggaat ggctatactt      60
agatttatgg atagttgggt agtaggtgta aatgtatgtg gtaaaaggcc taggagattt     120
gttgatccaa taaatatgat tagggaaaca attattaggg tcatgttcgt cttttt         176
```

<210> 629
<211> 202
<212> DNA
<213> Murine

<400> 629

```
ttggtcacag ccttctcagc agcagcctgc tcctccttct caatctcctc tgggtctctg      60
tagaagtaaa gatcaggcat gacctcccag gggtgctcac gggagatagt acctcgcatg     120
cggagtactt ccctggccag catccaccac atcagaccca ctgagtgagc tccttgttgt     180
tgcgaattcc accacatggc gg                                              202
```

<210> 630
<211> 243
<212> DNA
<213> Murine

<400> 630

```
gttactactc tccaggttat gcacagtcca gcccagggac tctcacctca agcaaccagg      60
caggaatgga gggccagccc ctaaagacaa aaaaggatga ggagcctgag agcgtagaag     120
ggaaagtaaa gaatgacgtc tgtgaggaaa agaagccgga gctgagcaat tccagtcagc     180
agcctccgtc atcagcagcg gccaacatgt acatgcagtc ctgtactaca ccagtagtct     240
acg                                                                   243
```

<210> 631
<211> 266
<212> DNA
<213> Murine

<400> 631

```
aaaacataat aaatgatctt agtgataagc taaaaagtac aatgcagcag caagagcggg      60
ataaagattt gatagagtcg ctctctgagg accgagctcg tttgcttgaa gagaagaagc     120
agcttgaaga ggaagtgagt aaactccgca ctagcagttt tctttcctca gcacctgtgg     180
ctgcagccca gagctctatg gtgcgtgtgc atgagctcca gggcagcaga gagatcatca     240
tggagacgca gatgaaggag actgat                                          266
```

<210> 632
<211> 234
<212> DNA
<213> Murine

<400> 632

```
cccaggacca gatgggttta gtgcagagtt ctatcagacc ttcaaagaag atctaatccc      60
ggttcttcac aaactattcc acaaaataga agtagaaggt actgtaccca actcattctc     120
gaagccacaa ttactctgat acctaaacca caaaaagacg caacaaagag aacttcagac     180
caatttcctt atgaatatcg atgcaaatgc tcaataagtt ctactaacga tcag           234
```

<210> 633
<211> 204

161

```
<212> DNA
<213> Murine

<400> 633
gatttttttt tttttttttt tttttttaat tctttttttt ttccttcttt cctctttttt        60
tcctctctct cctcctaata cacacttttt ttagtaaggg gaataccatg atgtcgctct        120
agcccggccc ctgtagattc daccccgggg cctgctgtta aaaccactgt agaatcgaga        180
cggagctgtt gtagttggta gtcc                                                204


        <210> 634
        <211> 205
        <212> DNA
        <213> Murine

        <400> 634
gaaatgattg cagtccacct ccgtacgtaa cactcgtgtt ttaccgaagt tatcacttca        60
caaaagctag agtatgggtt ttaagtaagc agggacattc atgctttcat ctttgcaaaa        120
tcttgtgaaa ctaggaatga agtctaaggg gtatagacga gtcctcataa accgcagaga        180
tagcgtaacc ccatatgaca caagg                                               205


        <210> 635
        <211> 227
        <212> DNA
        <213> Murine

        <400> 635
gaattcgtaa aattacacat gcaaacctcc atagaccggt gtaaaatccc ttaaacattt        60
acttaaaatt taaggagagg gtatcaagca cattaaaata gcttaagaca ccttgcctag        120
ccacacccc acggactcag cagtgataaa tattaagcaa taaacgaaag tttgactaag        180
ttatacctct tagggttggt aaatttcgtg ccagccaccg cgtcata                      227


        <210> 636
        <211> 218
        <212> DNA
        <213> Murine

        <400> 636
ggttttccta catcttacaa tggactaaga aaaacatcac atatgtgtcc tcattccttt        60
tcatcttaca cctaattagg gagacaccaa tgcccatgga aaggctgttt ccaatttta        120
aagatacaac acacaaggac agggctagaa aaggacgaag tacaatgtct agctatactg        180
tgacaatgtt tcataataca gtgtgctcct tacgtagg                                218


        <210> 637
        <211> 176
        <212> DNA
        <213> Murine

        <400> 637
ggtttttcga gacagggttt ctcgtatagt cctggctgtc ctgctgaaac tcactttata        60
gaccagggtg gcctcgaact aaaatccgcc tgcctctgcc acccgagtgc tgcgattaaa        120
gtcgtgcgcc accacgacct ggtctcttgt ctttctctta atcagctttc ctataa           176


        <210> 638
        <211> 182
        <212> DNA
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